



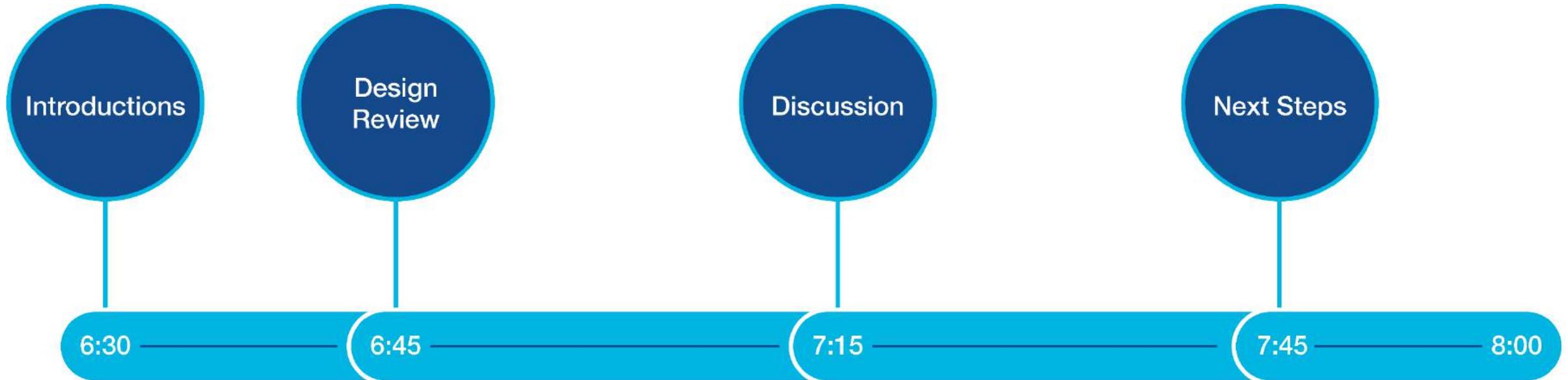
SMMMA

T'OOLE
DESIGN

BCA

Central Hill Phase 1 Design – Community Meeting #3

Tonight's Agenda



City of Somerville

- **Cortney Kirk**, Streetscape and Public Space Planner
- **Kristen Stelljes**, Director, SomerStat
- **Emily Monea**, Chief of Staff, City of Somerville
- **Brad Rawson**, Director, Mobility
- **Rich Raiche**, Director, Infrastructure and Asset Management
- **Luisa Oliveira**, Director, Public Space & Urban Forestry
- **Cathy Piantigini**, Director, Libraries
- **Lilly Sundell-Thomas**, Deputy Director, Libraries
- **Jeff Curley**, Chief of Staff, Somerville Public Schools

Project Team

SMMA

- Alex Pitkin, Senior Vice President
- Lorraine Finnegan, Principal
- Laura Monies, Landscape Architect/Planner
- Erin Prestileo, Civil Engineer
- Ali Ucci, Graphic Designer
- Jack Dombrowski, Graphic Designer
- Peter Rebuck, Site Designer

Building Conservation Associates

- Lisa Howe, Director of BCA New England

Toole Design Group

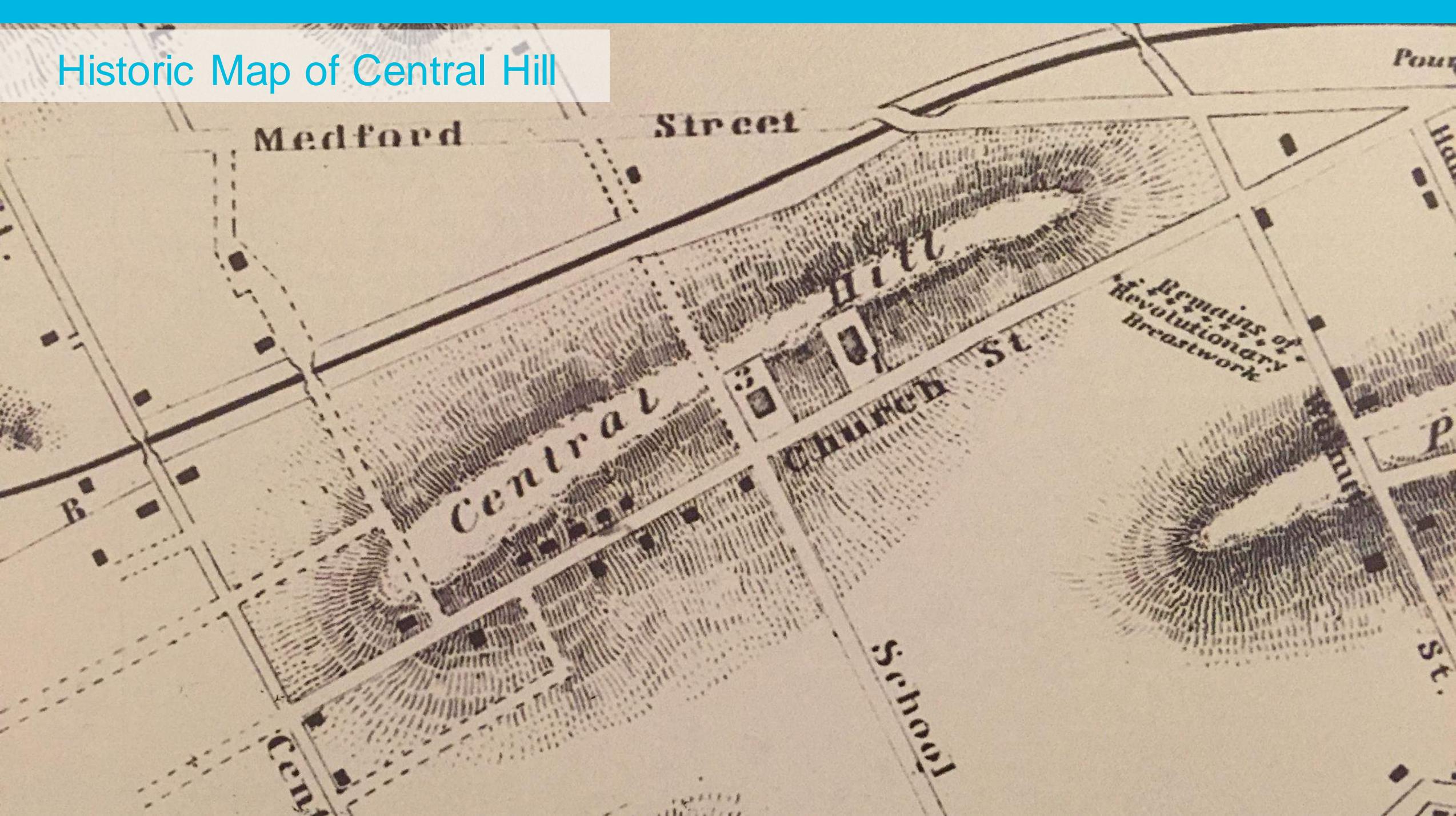
- Stephanie Weyer, Landscape Designer

Project Timeline

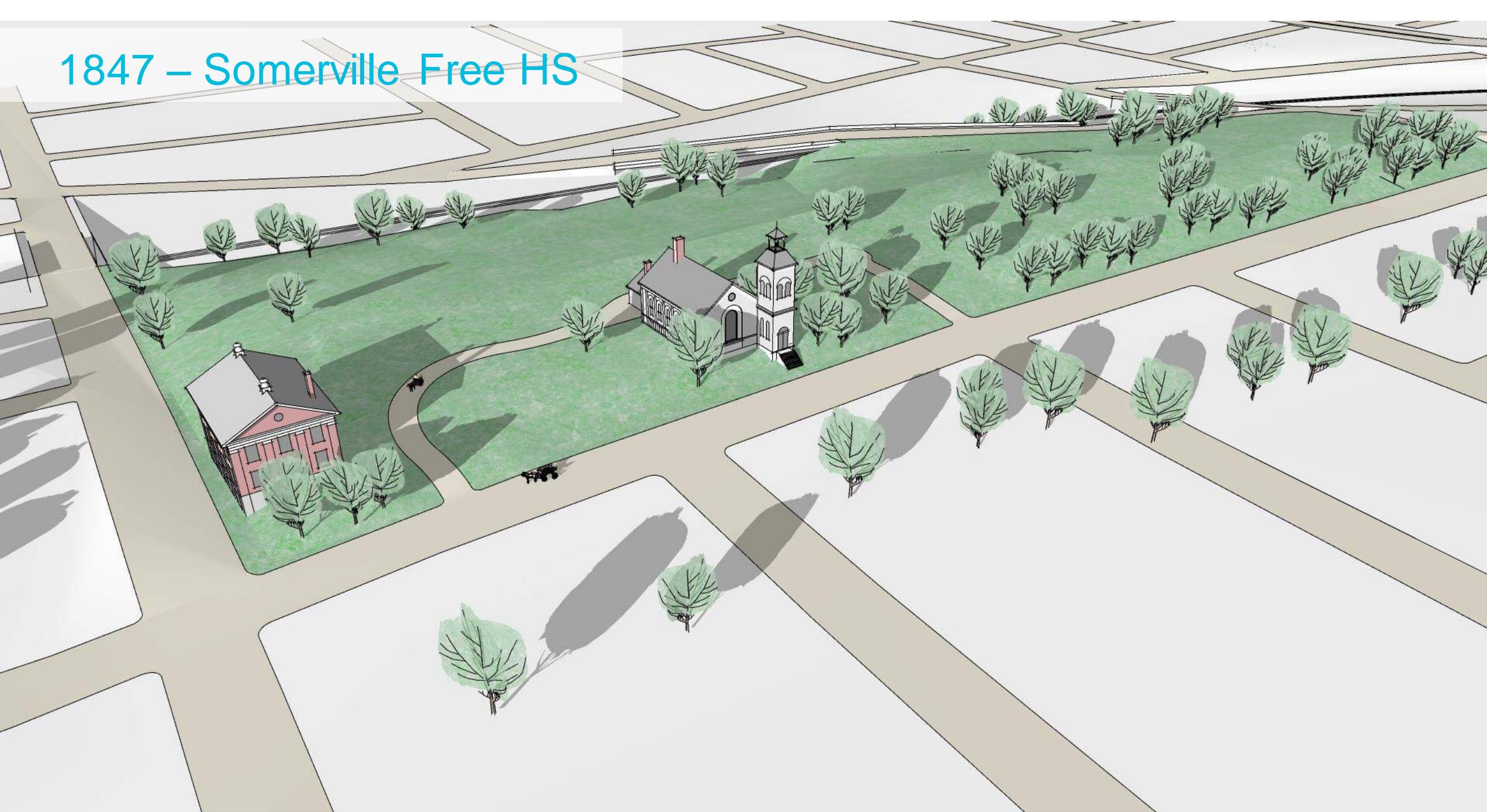
- Campus Planning Study Complete Dec 28, 2018
- Phase 1 Design Begins May 24, 2019
- Community Meeting #1 July 22, 2019
- Community Meeting #2 Sept. 23, 2019
- Phase 1 Design Documentation Complete Nov. 2019
- Community Meeting #3 Jan. 08, 2020
- Phase 1 Construction Begins Spring 2020
- Phase 1 Construction Complete Anticipate Fall 2021

Somerville High School and Central Hill Campus Plan

Historic Map of Central Hill



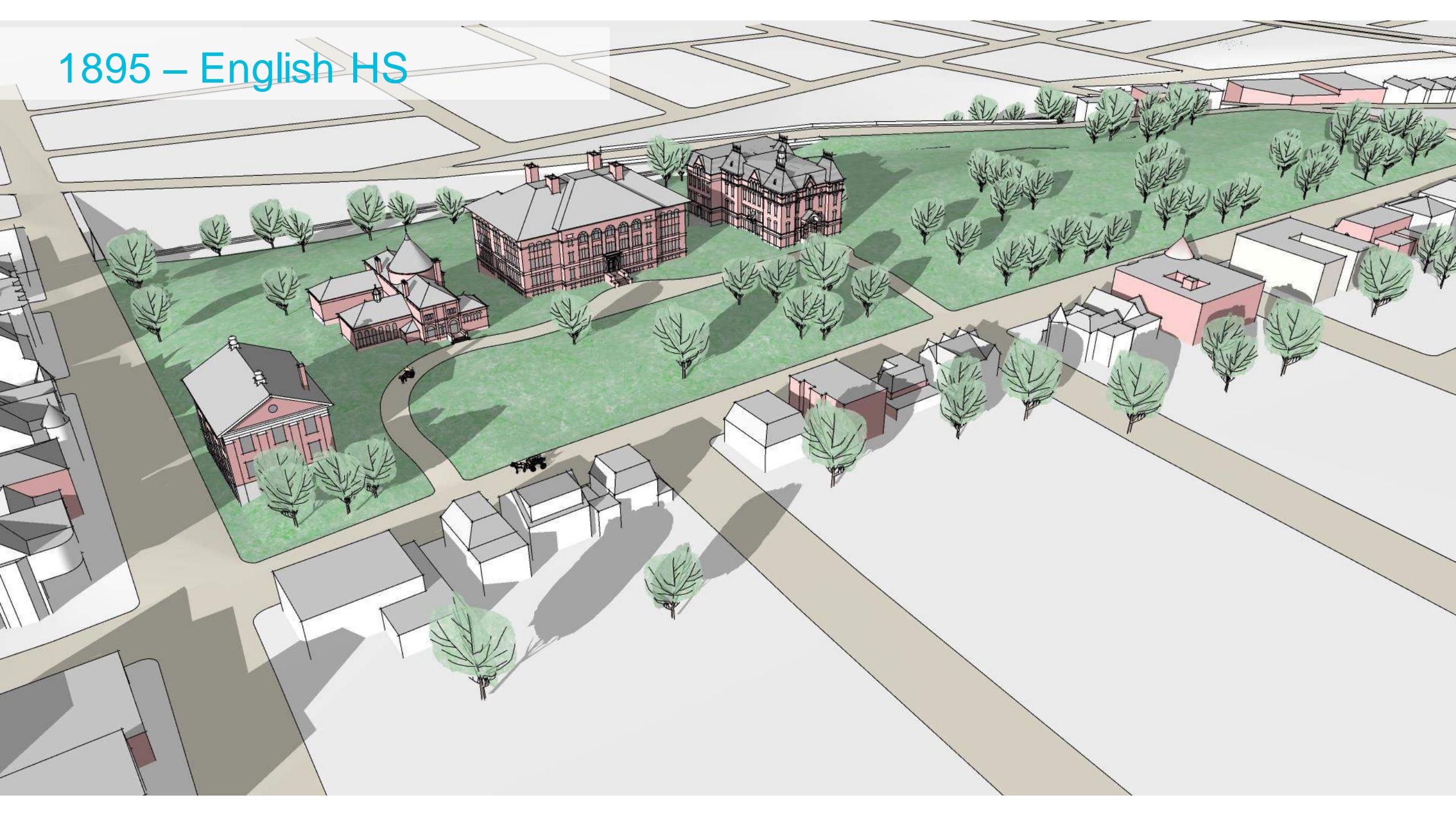
1847 – Somerville Free HS



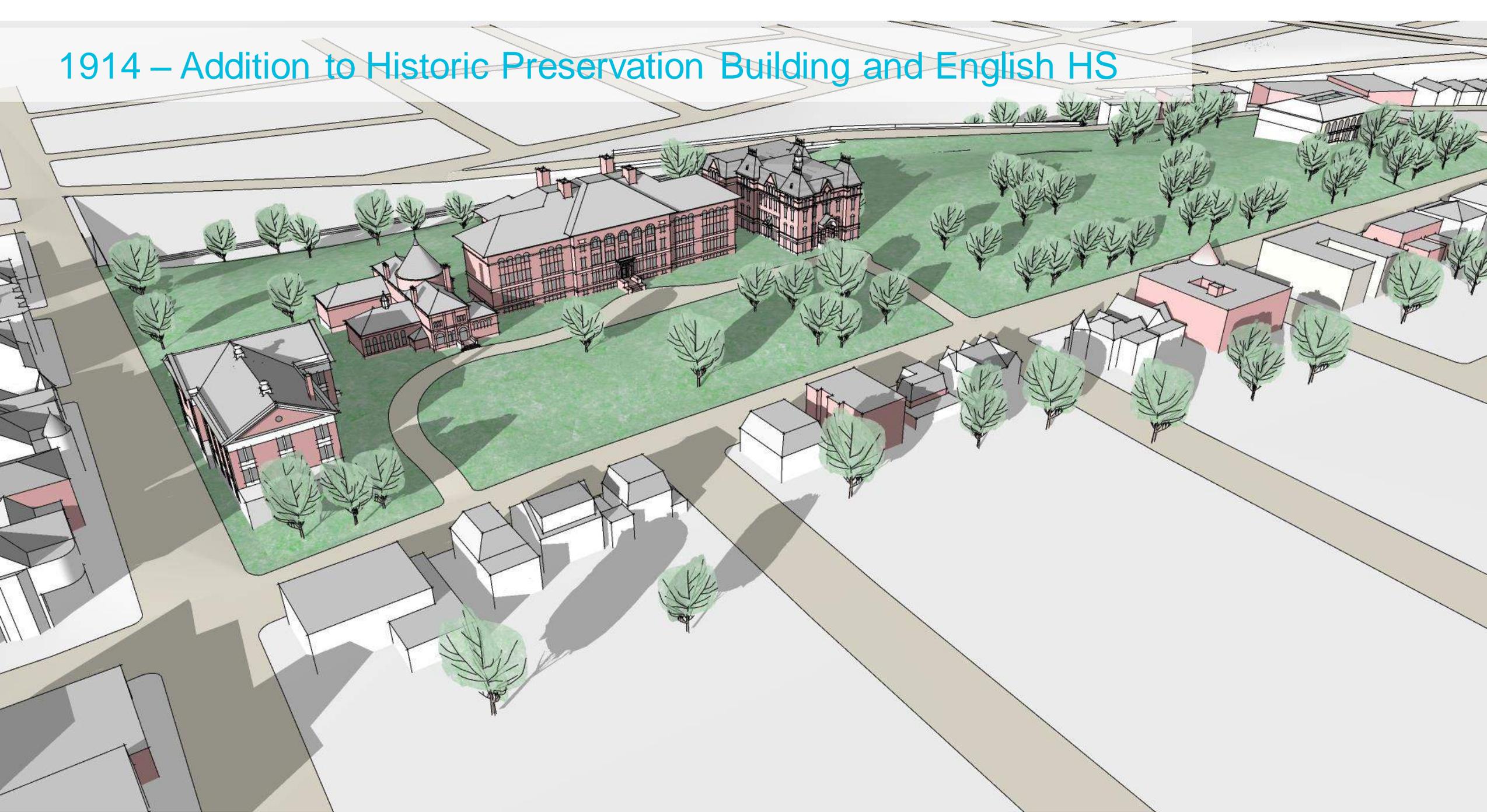
1852 – Latin HS & Public Library



1895 – English HS



1914 – Addition to Historic Preservation Building and English HS



1927 – Somerville HS



1956 – Fire



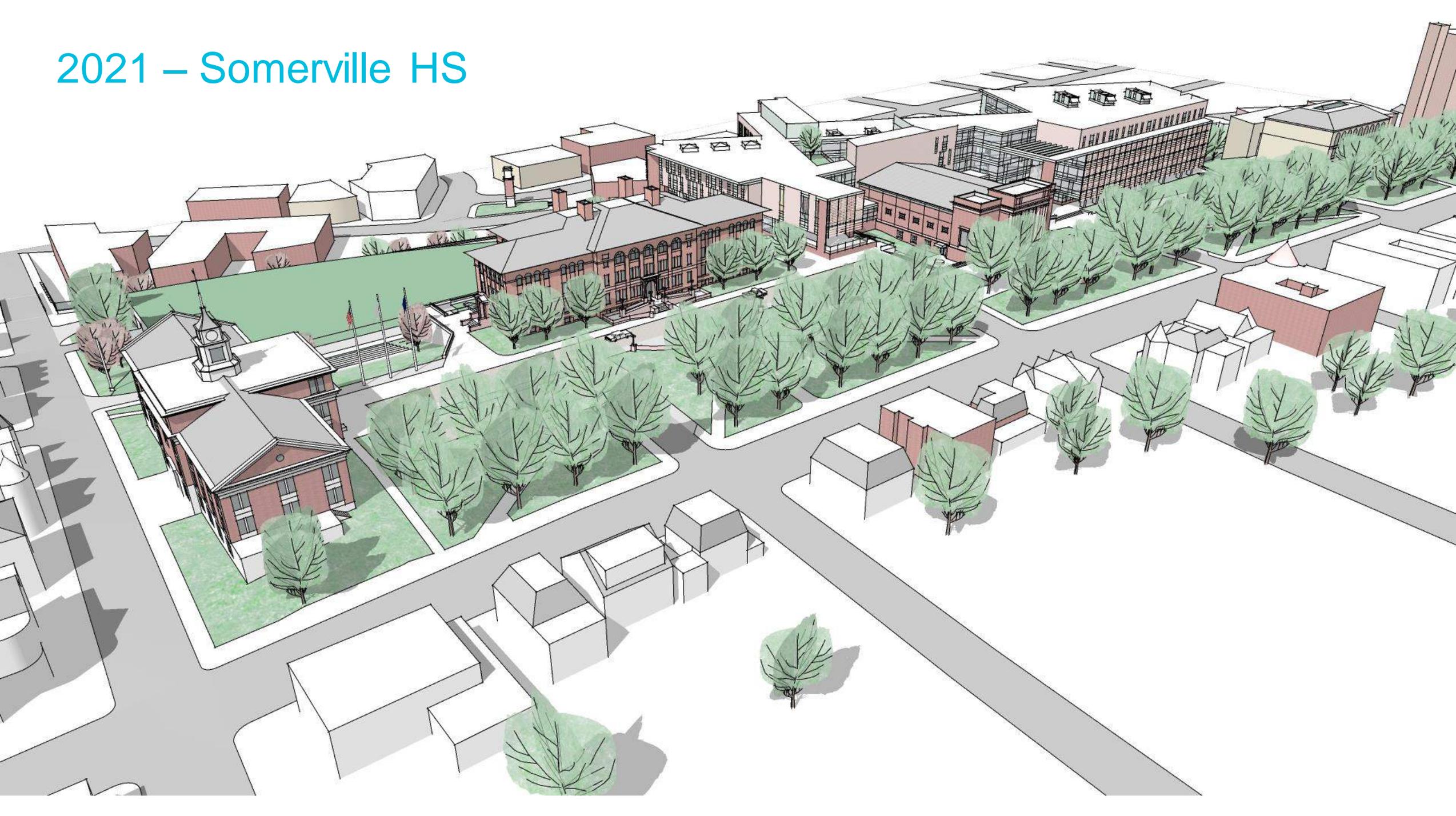
1957 – Somerville HS



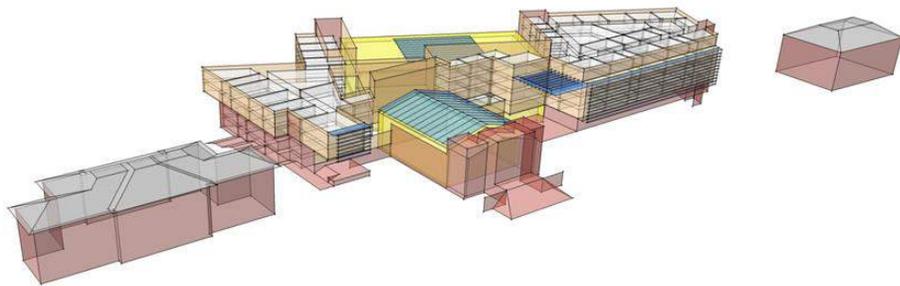
Today



2021 – Somerville HS



Highland Avenue Perspectives



School Street Perspective



Existing



2021

Existing Buildings at Central Hill

War Memorial Building



1895 Building



Central Library



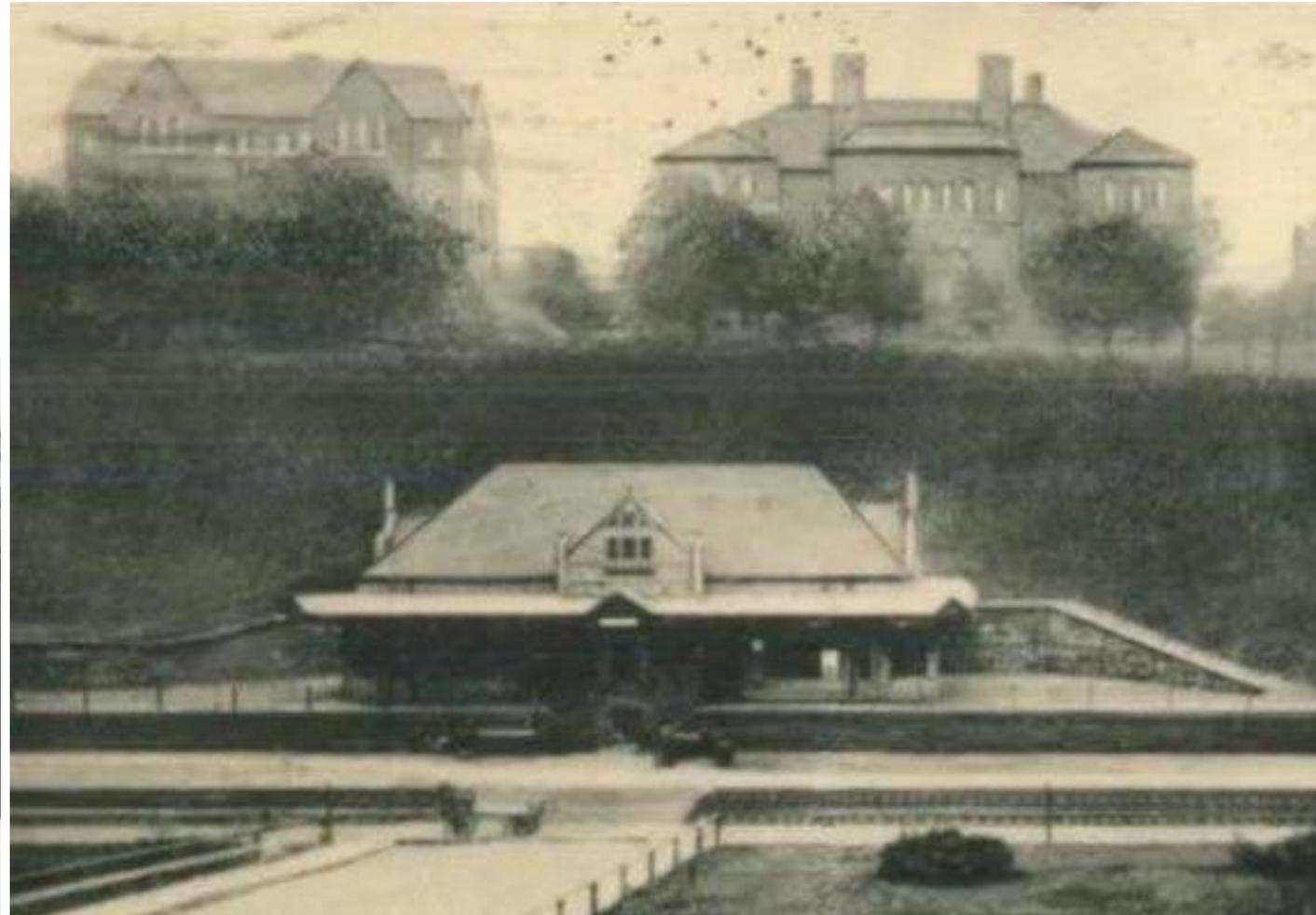
City Hall



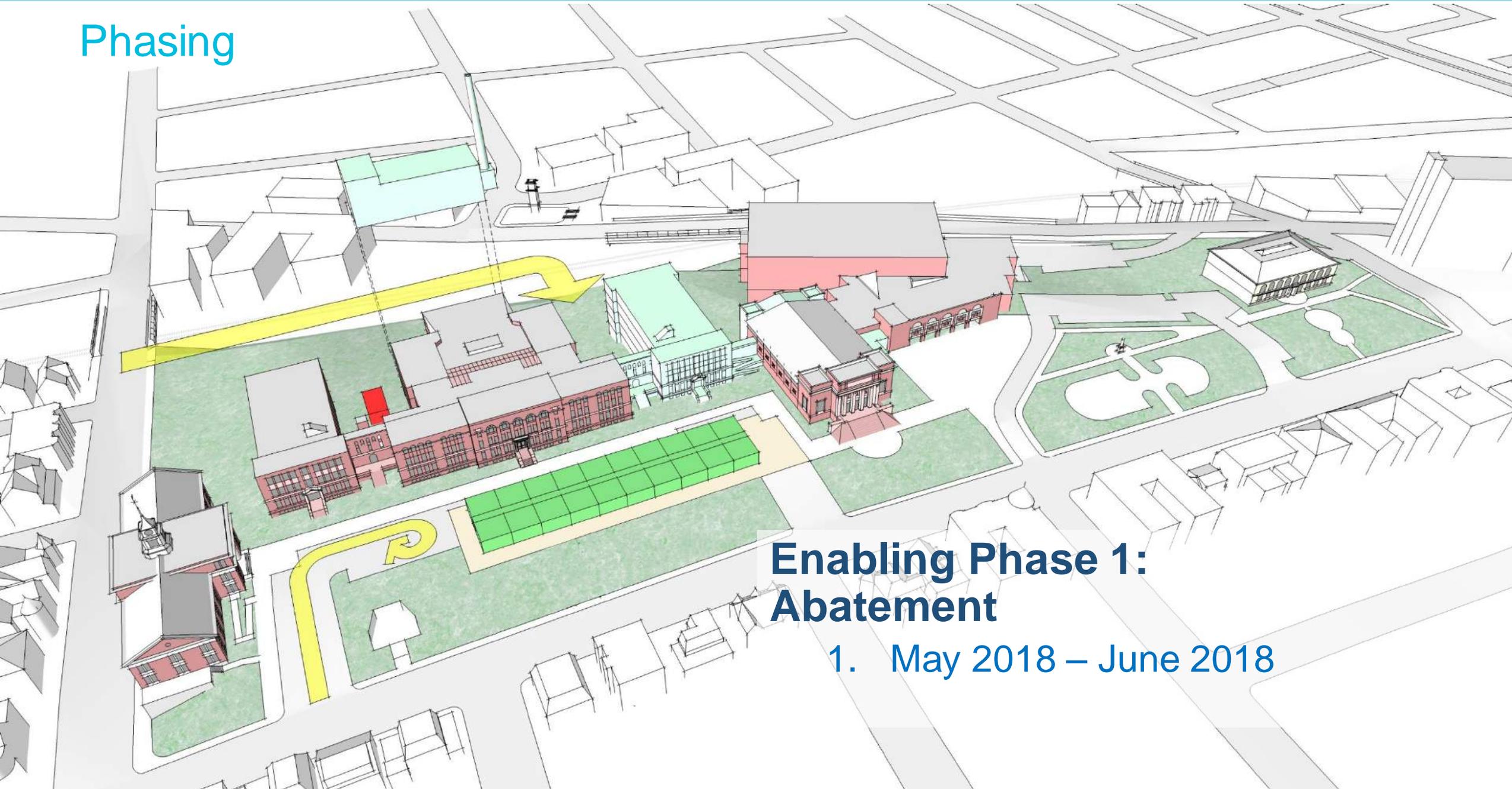
Medford Street Perspective

Uniquely Central Hill

- GLX access
- Creation of New Open Space
- Balance of Neighborhood & Civic uses



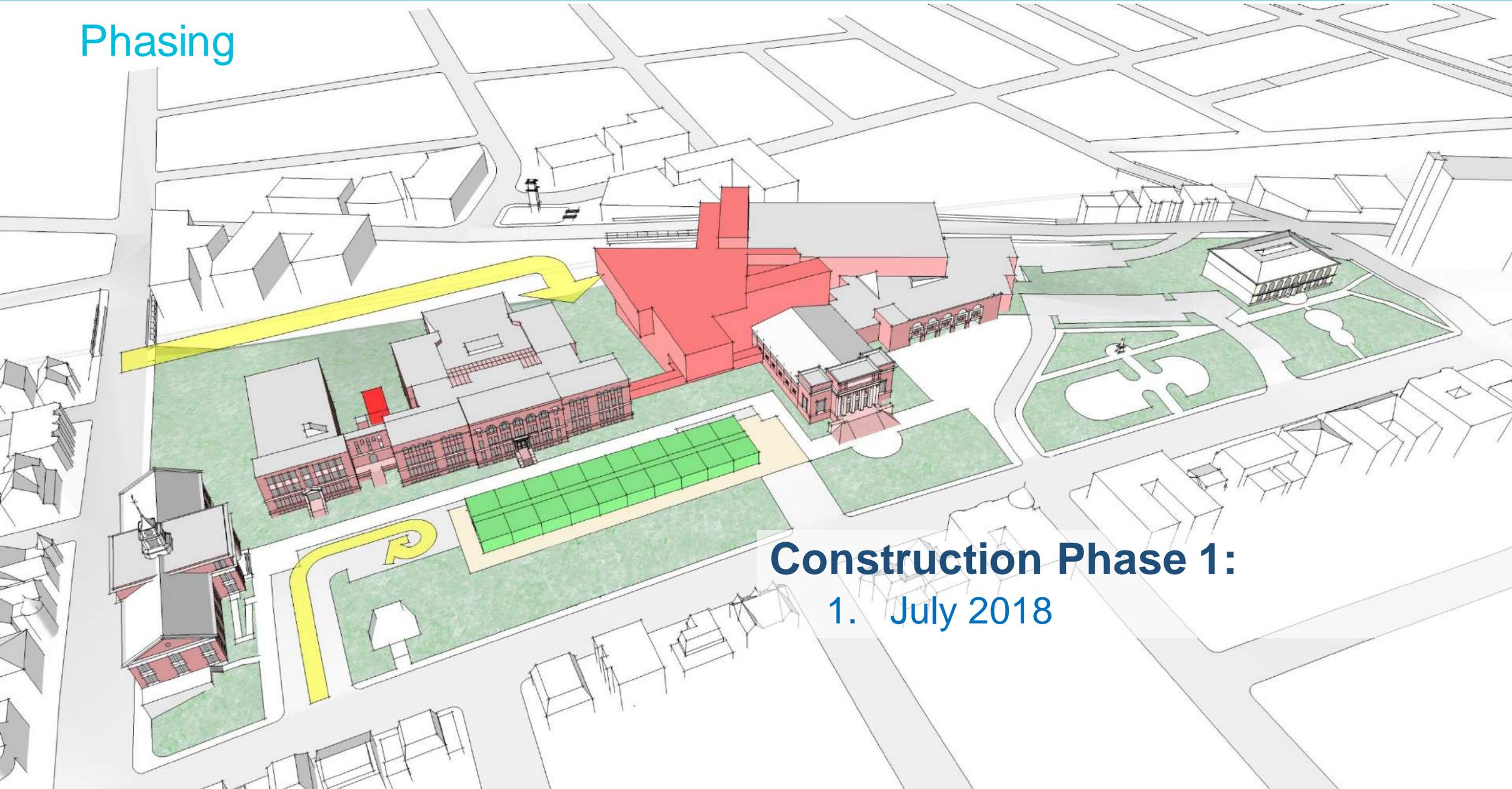
Phasing



Enabling Phase 1: Abatement

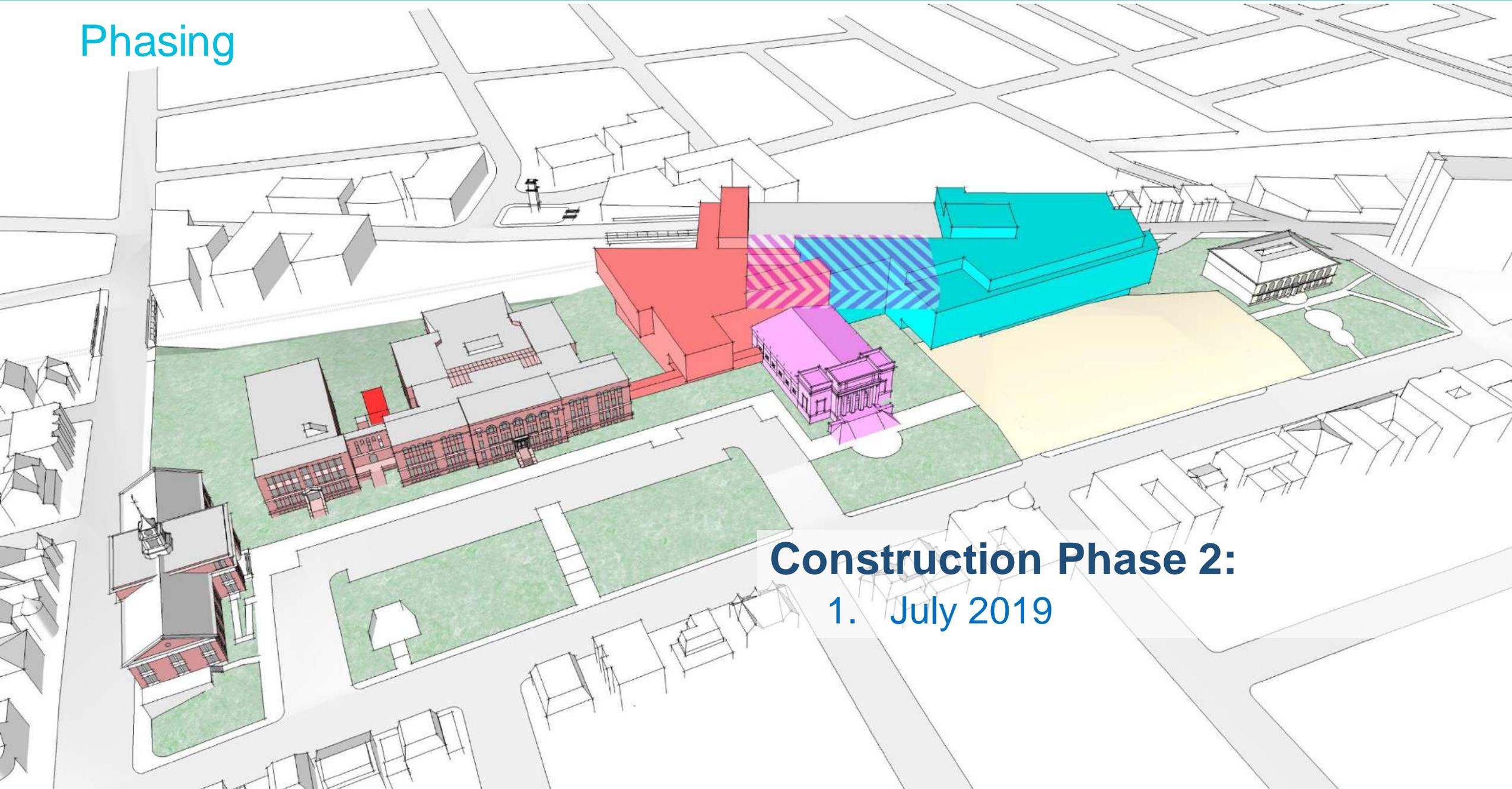
1. May 2018 – June 2018

Phasing



Construction Phase 1:
1. July 2018

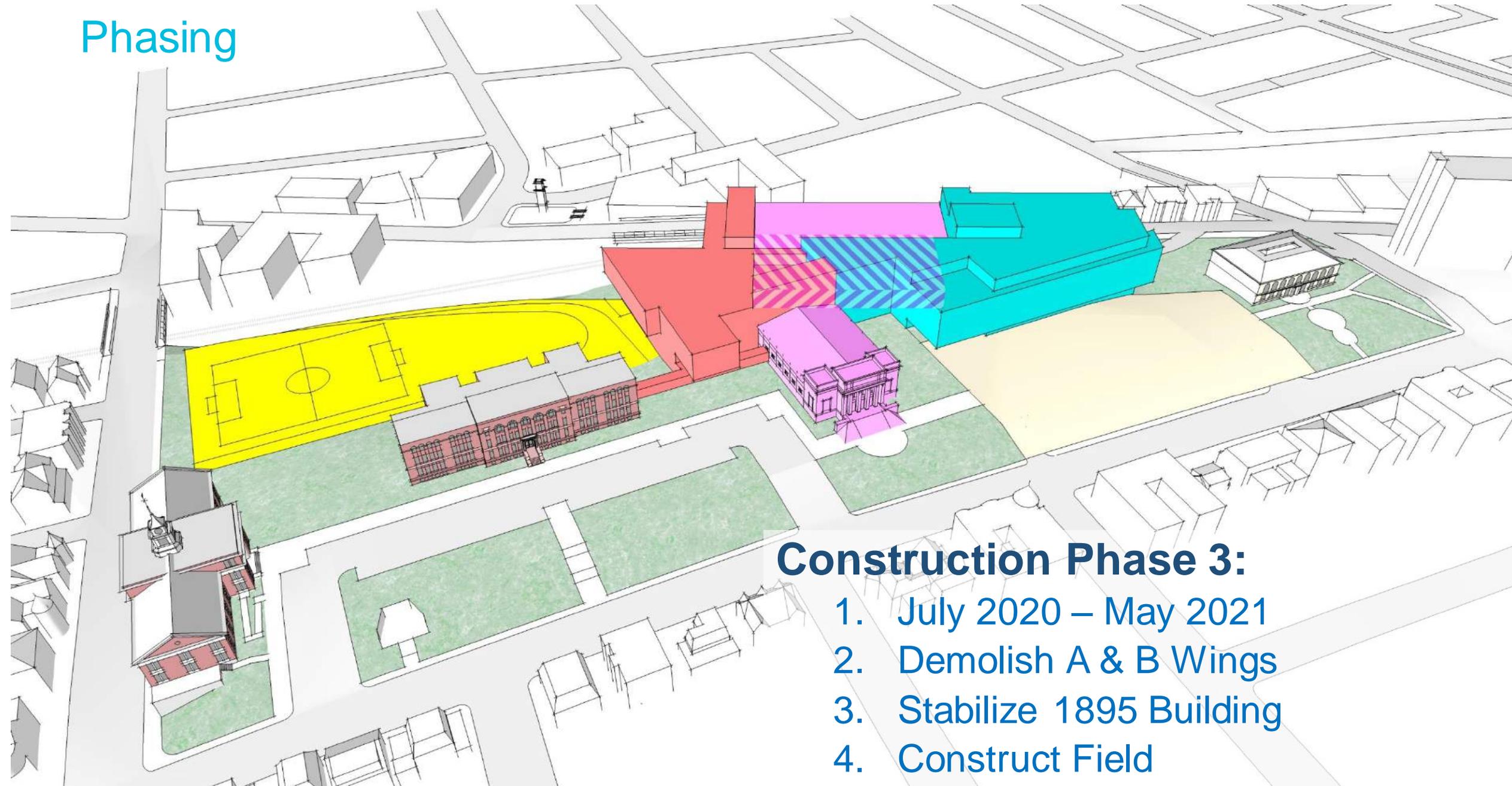
Phasing



Construction Phase 2:

1. July 2019

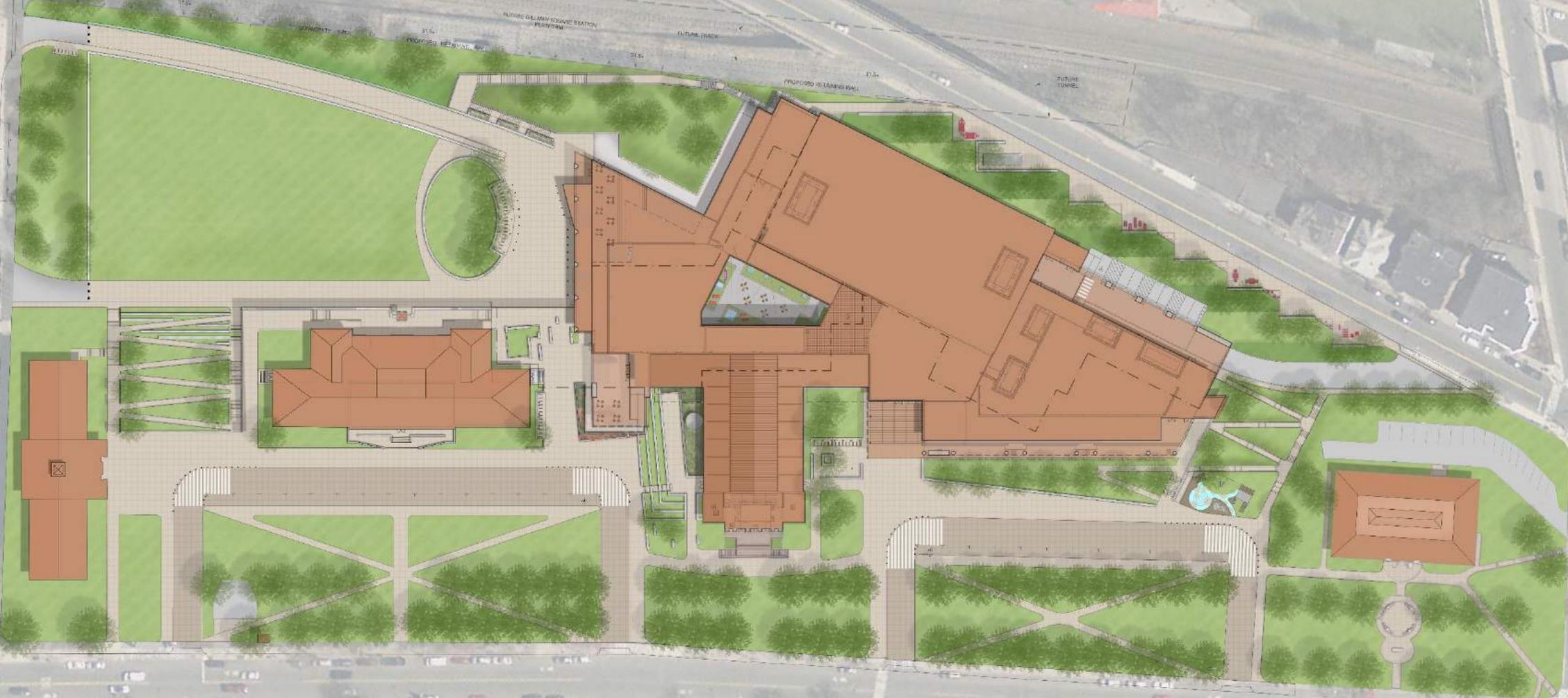
Phasing



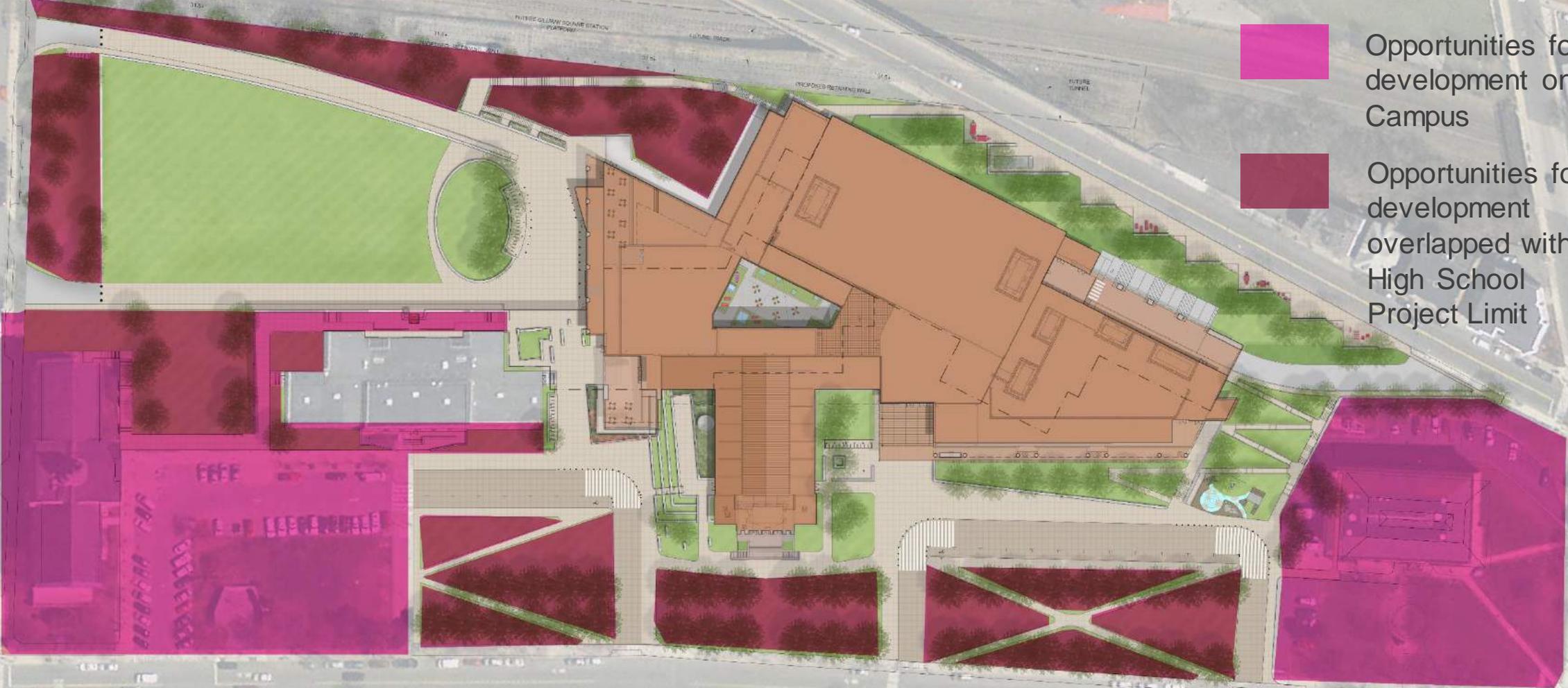
Construction Phase 3:

1. July 2020 – May 2021
2. Demolish A & B Wings
3. Stabilize 1895 Building
4. Construct Field

High School Master Plan Study



Central Hill Campus Plan Open Space Opportunities



Opportunities for development on Campus

Opportunities for development overlapped with High School Project Limit



Planning Design Parameters

- Somerville High School Master Plan and project scope as a starting point
- GLX Gilman Station and Community Path
- Parking and Traffic Studies
- Building Use Space Plans for City Hall and 1895 Building
- Re-creation of Central Hill playground
- Respectful and chronological incorporation of war memorials

Summary of Community Feedback

Top Themes:

- Maintain Existing Trees
- Maintain Parking
- Respectful Placement of War Memorials

Other Emerging Themes:

- Safer street crossings
- Accessibility
- Bicycle Safety
- Enhanced Green Space

Preferred Campus Plan



**Gilman Station and
the Community Path**

Medford St

**Somerville
High School**

1895 Building

Library

City Hall

Highland Ave

School St

Walnut St



Campus Plan Project Phasing

Note:
Estimated design time for Buildings, 1 Year.
Estimated design time of Site, 6 Months

 Work that can run concurrent to other projects



CHCP Phase 2
Work Commencing
TBD

CHCP Phase 1 Work
Commencing 2020

HS Phase 2 Work
Commencing by 2020

CHCP Phase 3 Work
Commencing TBD

CHCP Phase 1 Work
Commencing 2020/21

Phase 1 Design

Central Hill – Phase 1 Design



Medford Street

MEDFORD STREET

Walnut Street

WALNUT STREET

EXISTING STORY AREA
LIBRARY BUILDING
SOLUTIONS PUBLIC LIBRARY

HIGHLAND AVENUE

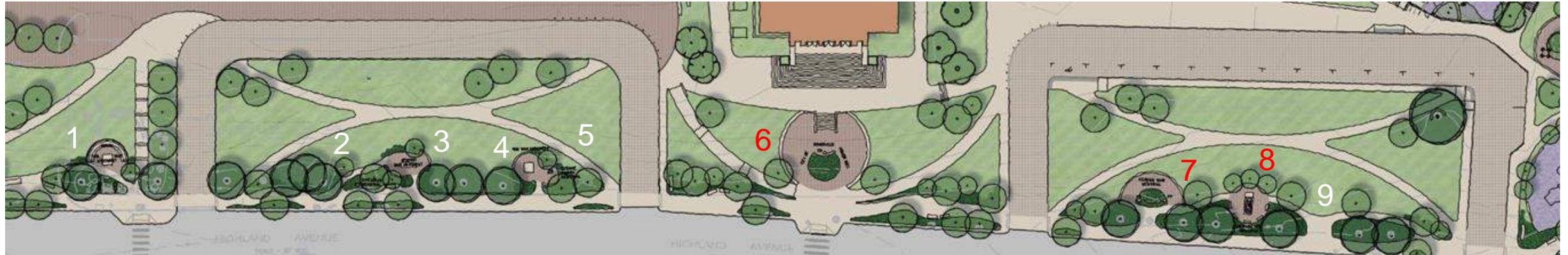
HIGHLAND AVENUE

Highland Avenue

PUTNAM STREET

VINAL STREET

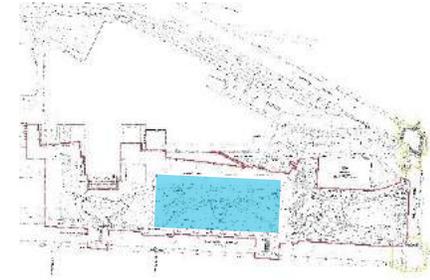
Central Hill Campus Plan – Memorial Walk



Centralized / chronological placement of memorials



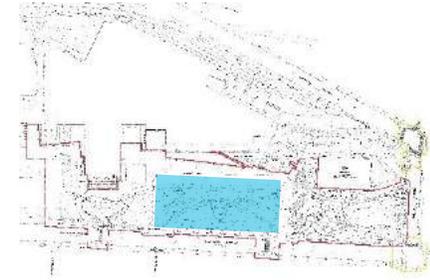
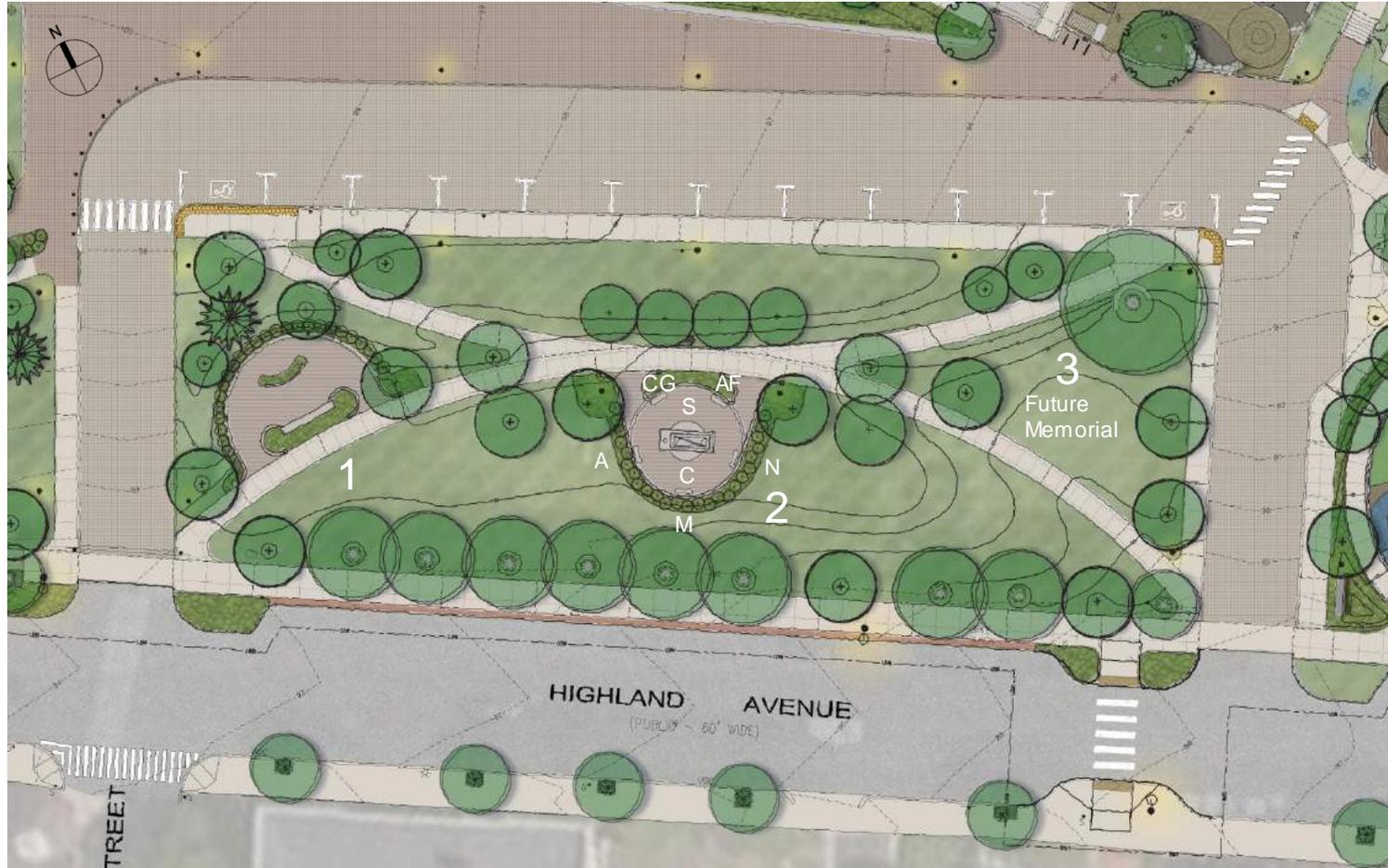
Memorial Walk



1. Korean War Memorial



Memorial Walk



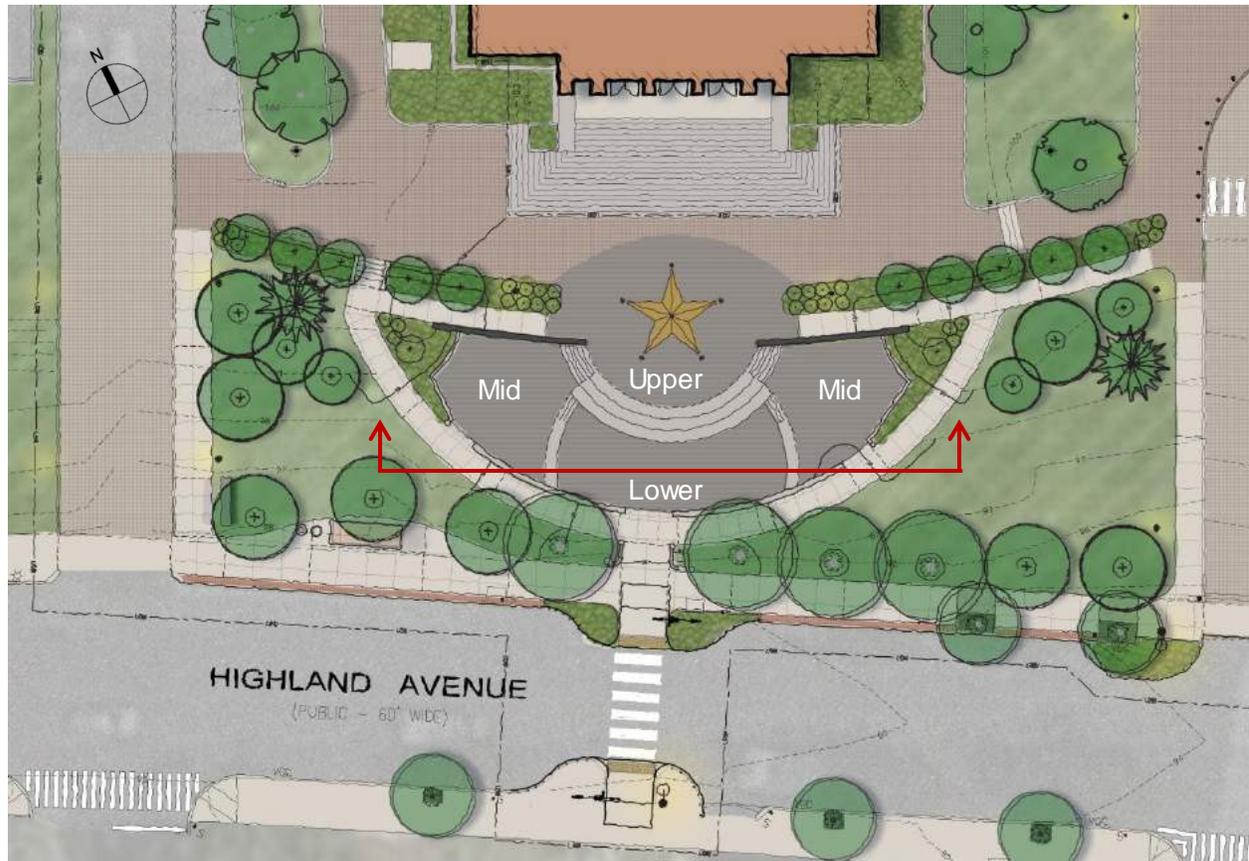
2. Vietnam War Memorial



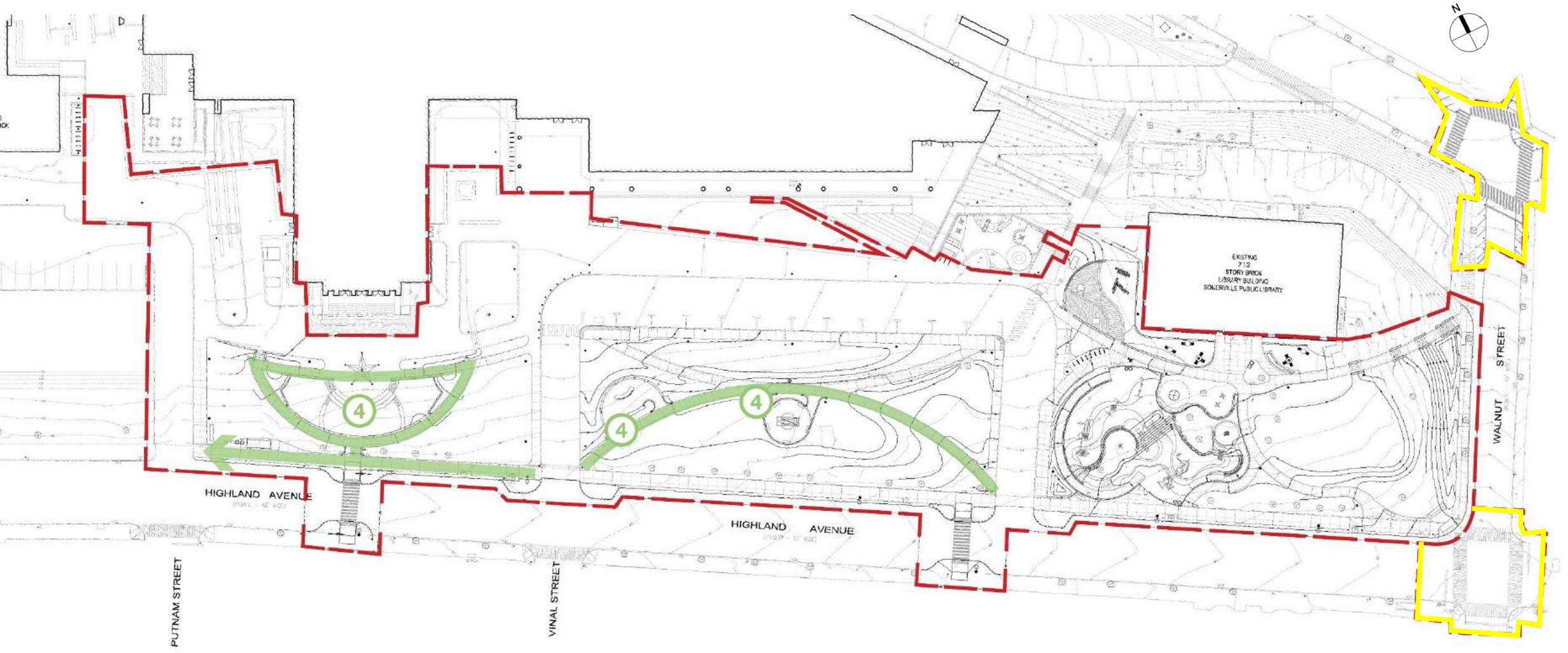
Gold Star Plaza



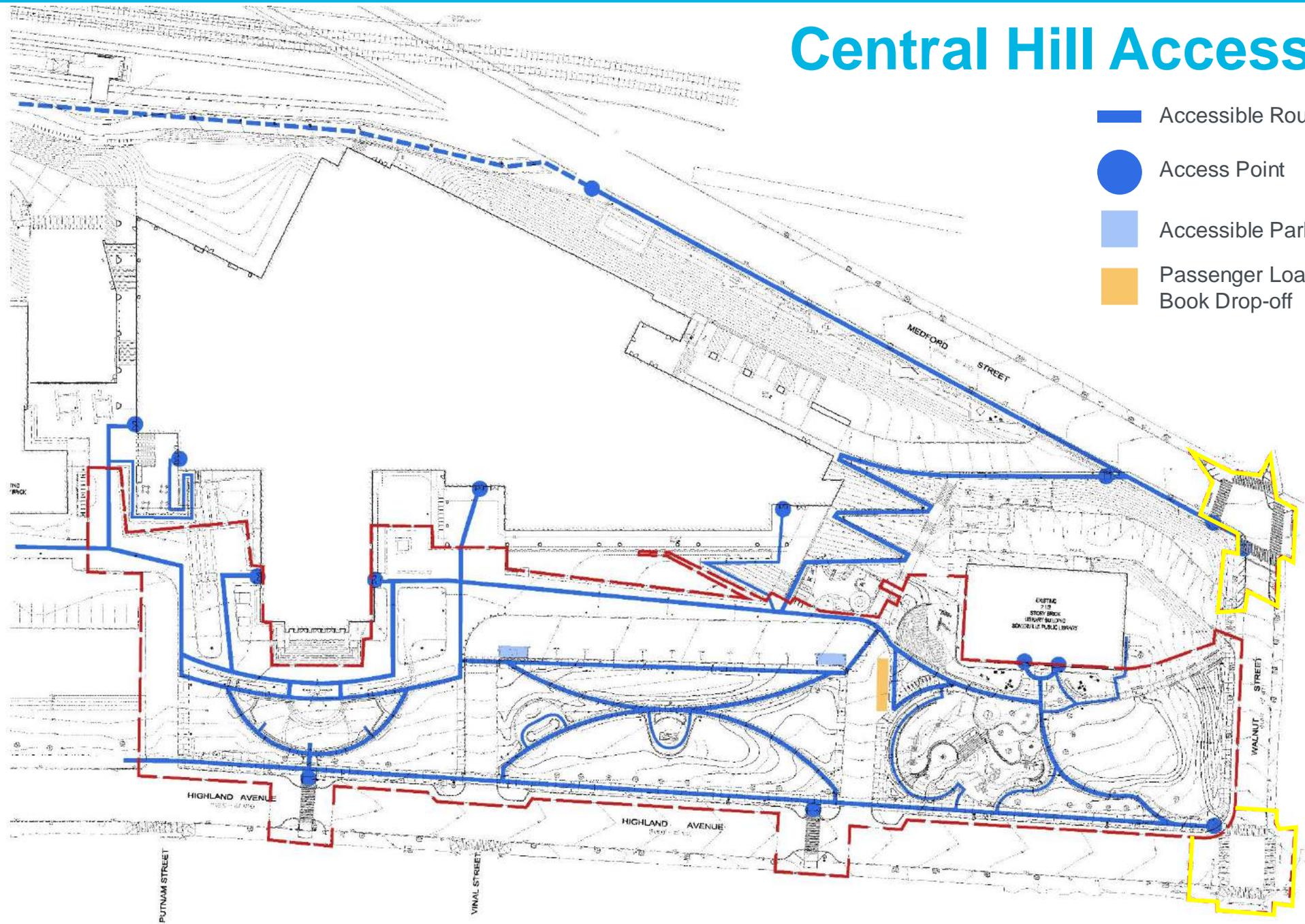
Plaza Wall Elevation



Central Hill Memorial Walk



Central Hill Accessibility



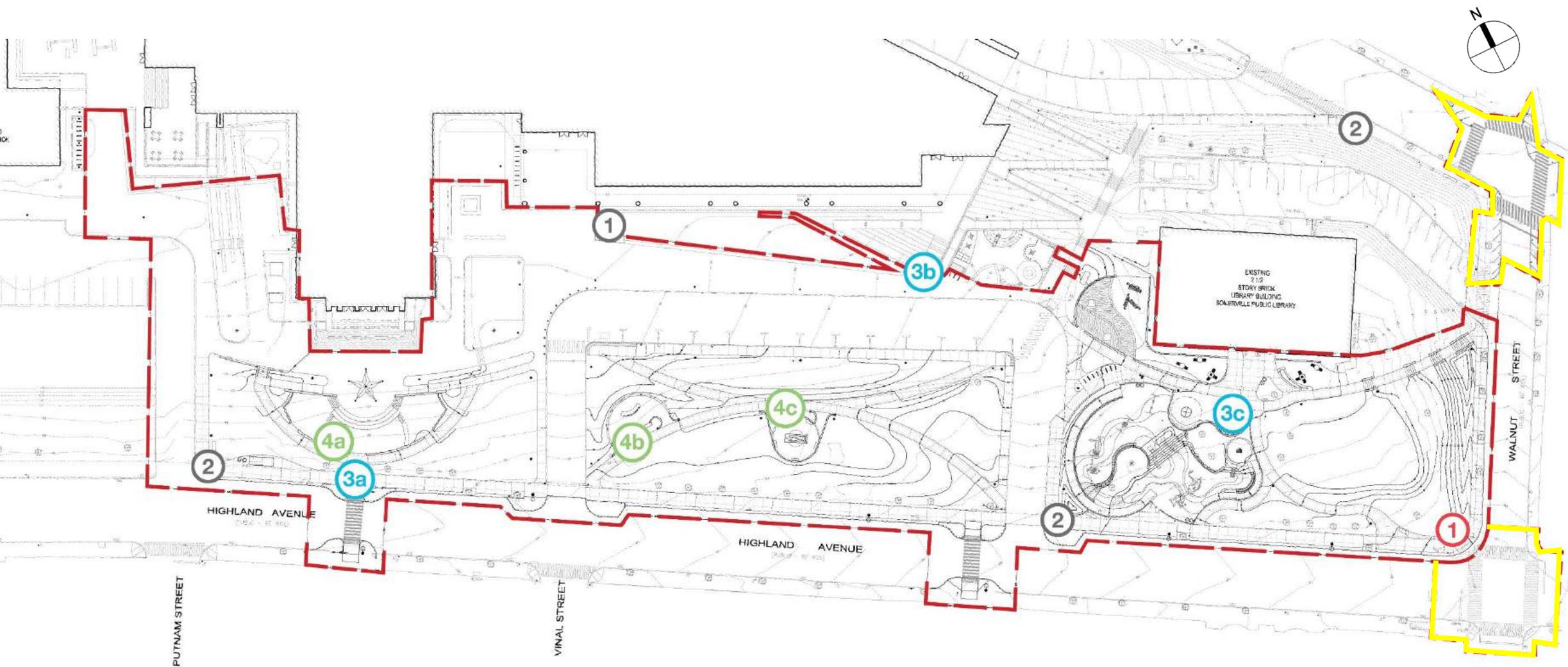
- Accessible Route
- Access Point
- Accessible Parking
- Passenger Loading / Book Drop-off



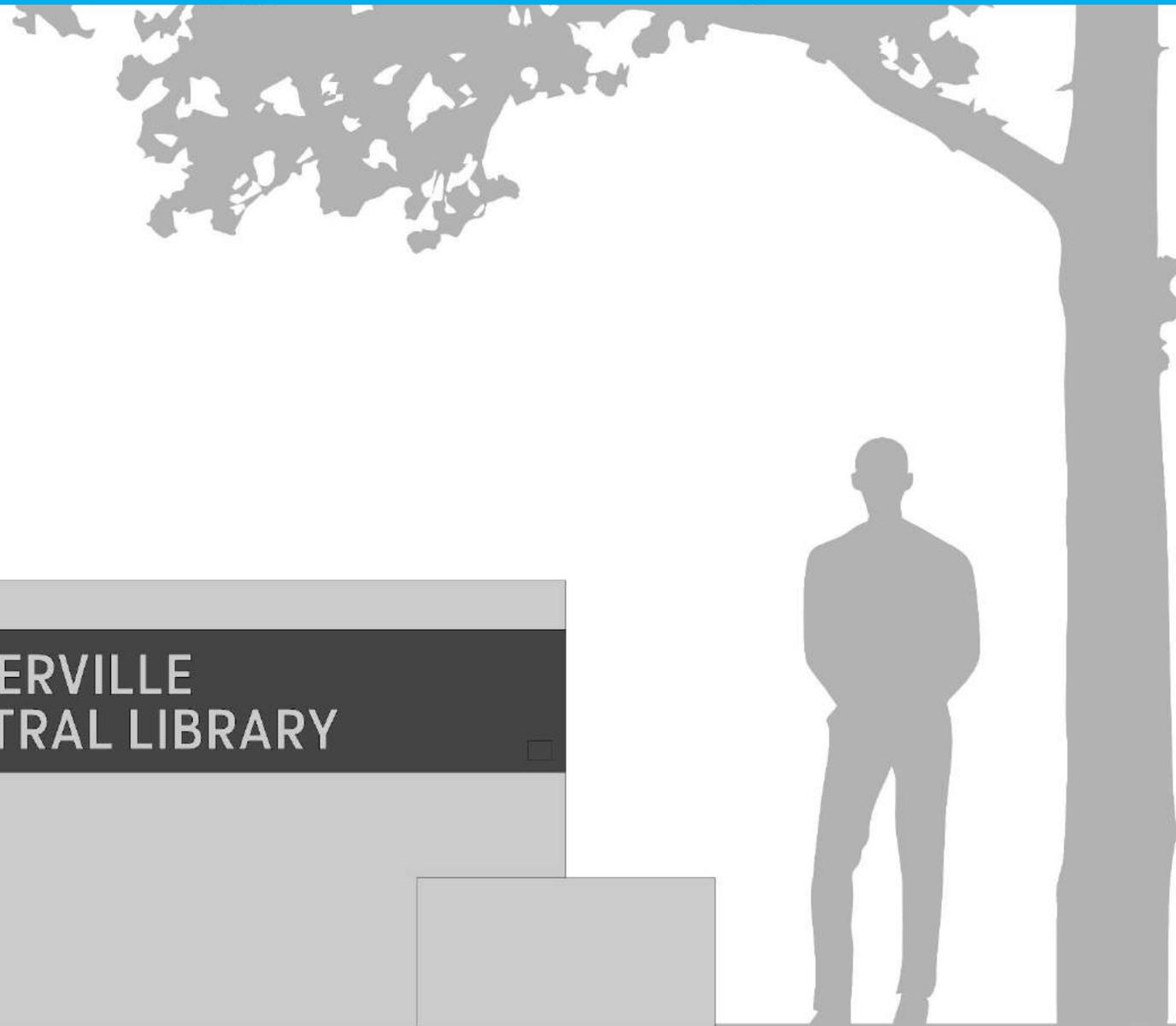
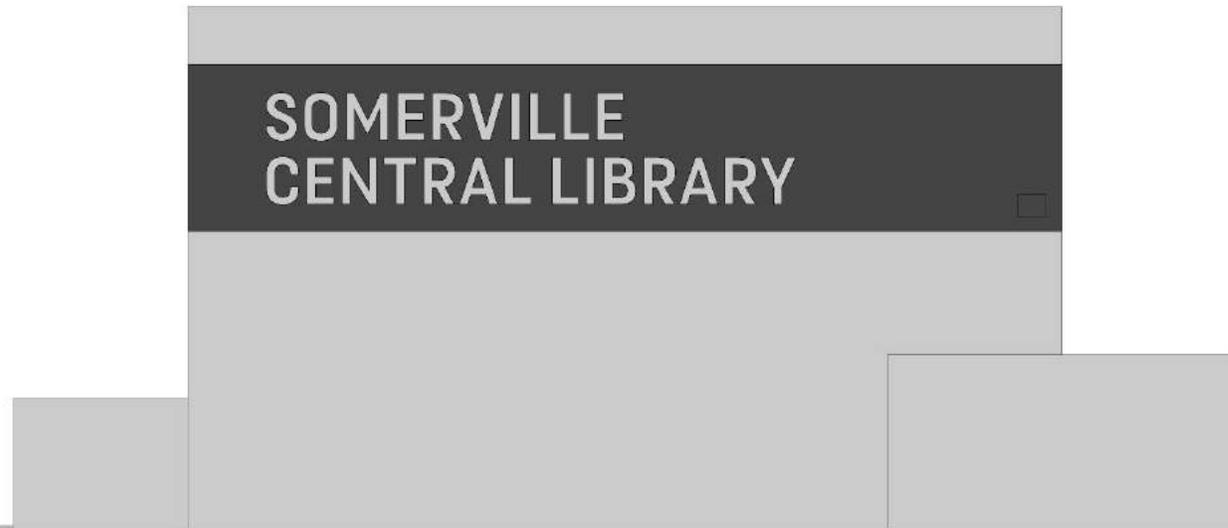
Wayfinding - Signage Levels

	Audience	Sign Type	Quantity
Level 1	Everyone	Building Marker	1
Level 2	Vehicles	Roadside Pylons	<i>High School Scope</i>
Level 3	Unfamiliar Pedestrians	Map & Directory	3
Level 4	Monument Patrons	Informational Placard	3

Signage Locations



Level 1 Signage



Level 2 Signage



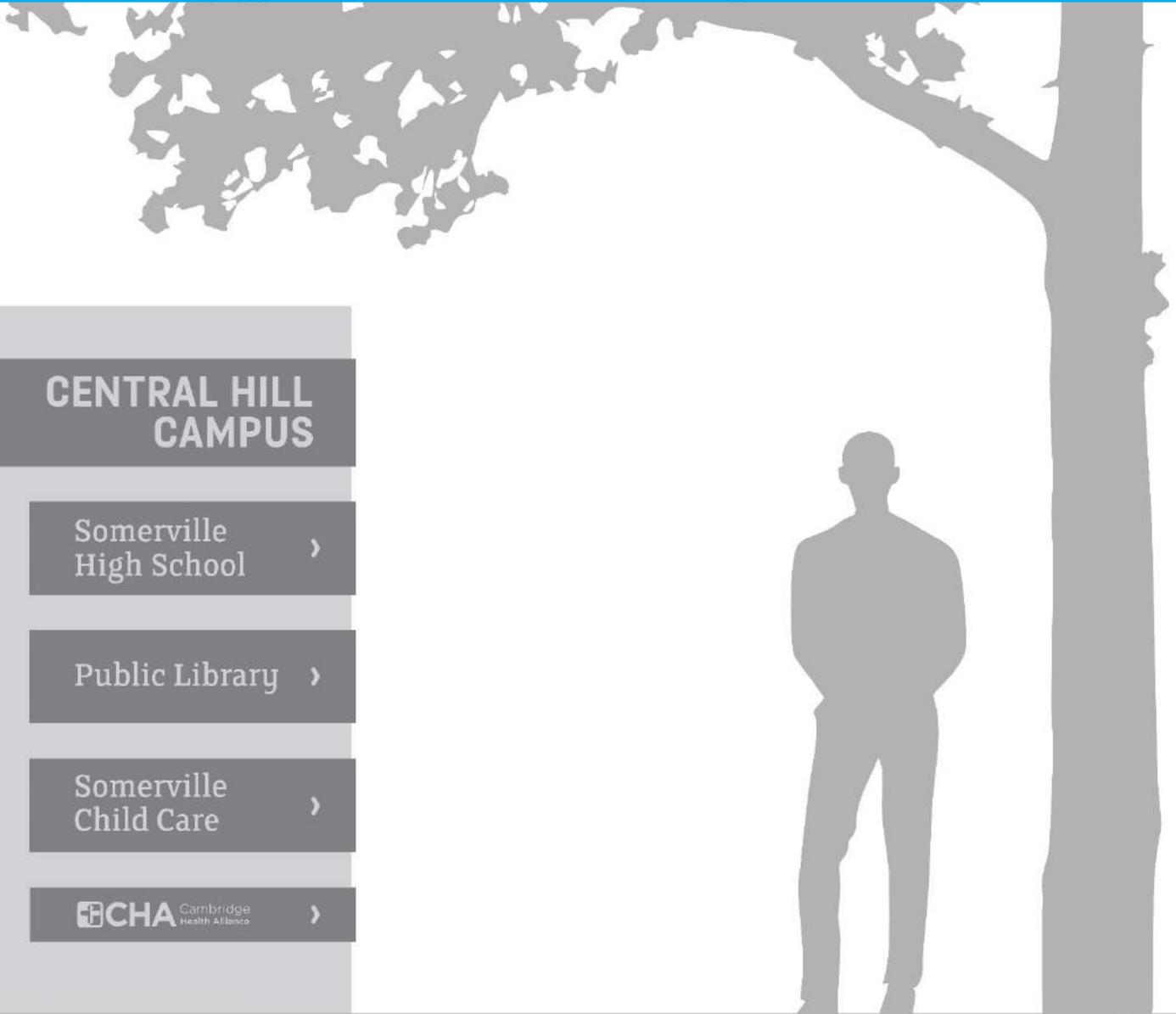
CENTRAL HILL
CAMPUS

Somerville
High School ›

Public Library ›

Somerville
Child Care ›

 **CHA** Cambridge
Health Alliance ›



Level 3 Signage



Front - Directory



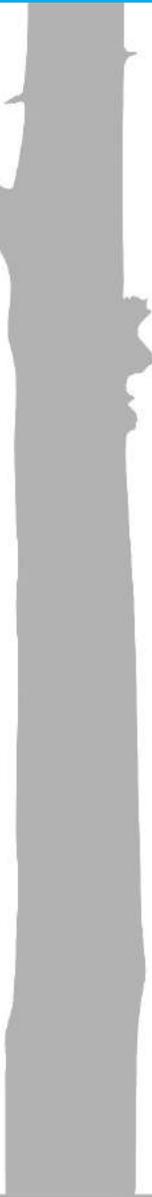
Side - Right



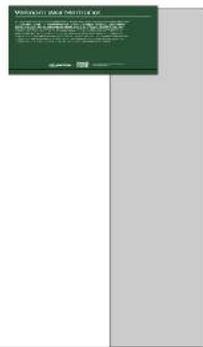
Back - Map & Info



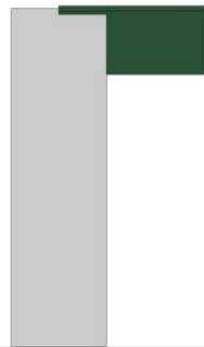
Side - Left



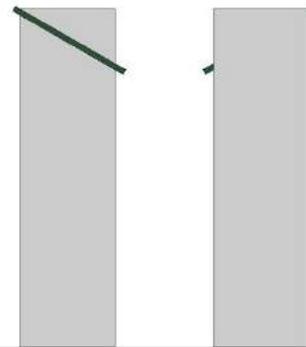
Level 4 Signage



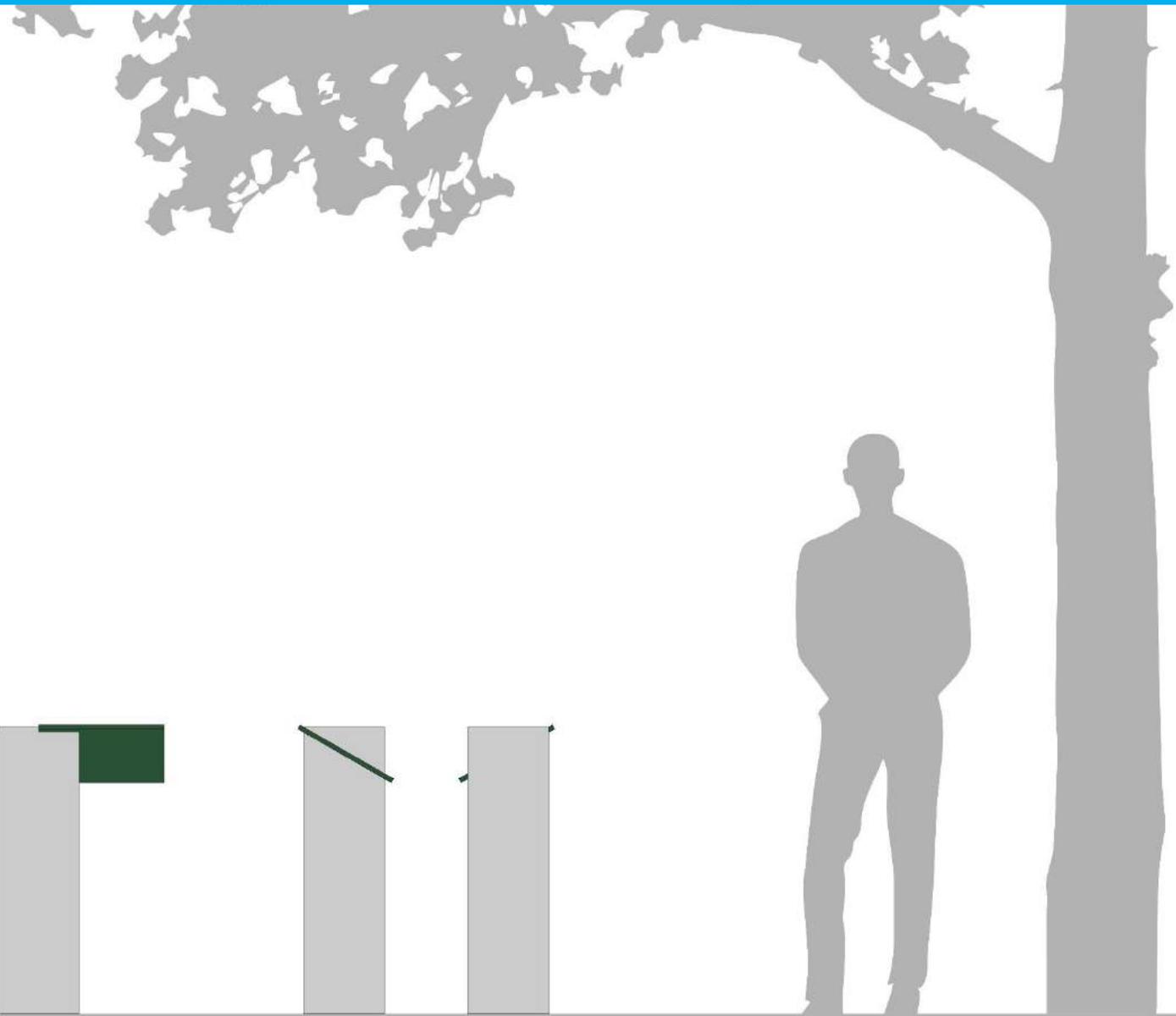
Front



Back



Sides



Level 4 Signage

Korean War Memorial

Designed by Ted Clausen and dedicated in 2002, the Korean War Memorial consists of two structures. The front structure is made of five vertical granite slabs with the words "THE FORGOTTEN VICTORY" on the front, and on the back of the slabs are facts about the war along with a quote. The tops of the stones are carved to replicate the border between North and South Korea. Located behind the five vertical slabs is a second structure laid out in a 53-foot diameter semicircle. This structure consists of a low concrete wall with granite capstones. Etched into each capstone are quotes from local veterans, the names of local fatalities, and bronze castings of everyday items a soldier would carry such as a shovel, canteen, canned rations, prayer book, and an eating utensil. The monument is located in front of the high school War Memorial building facing Highland Avenue.

Need a translation?

Spanish, Portuguese, Haitian Creole,
and Nepalese



Scan this code or visit us at www.somervillema.gov
for available translations.

Vietnam War Memorial

The Vietnam War Memorial is comprised of two polished granite pyramids resting upon two granite slabs, mined from the same quarry as the stone used in the Vietnam Memorial in Washington D.C. The top slab is engraved with the words "WE CAN'T FORGET." Etched on the east-facing side of one of the polished pyramids is a list with the names, regiments, places, and dates of death of the 33 servicemen from Somerville killed in the war. The west-facing side of the adjoining pyramid lists the 17 servicemen from Cambridge who died. On either end of the pyramids are etched maps of Vietnam: one depicting the country in 1957 and the other the country in 1972. The memorial was originally constructed in 1985 in Union Square and was moved to this location on Central Hill in 2020.

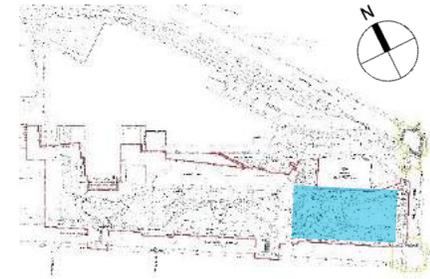
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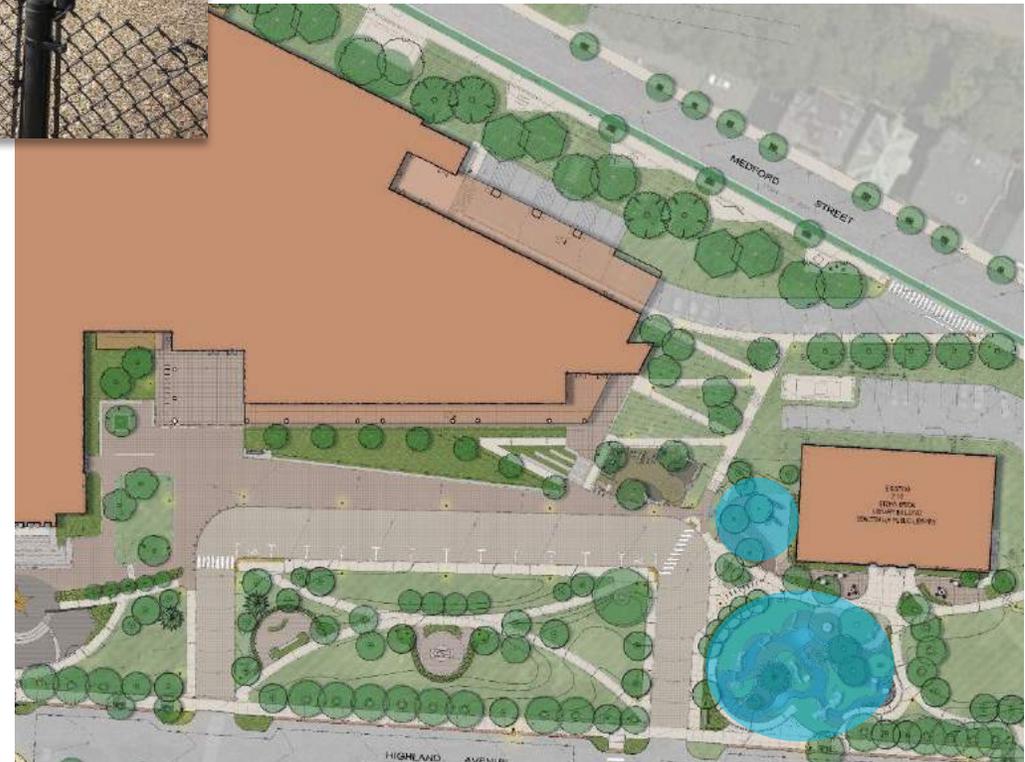


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Library and Central Hill Playground

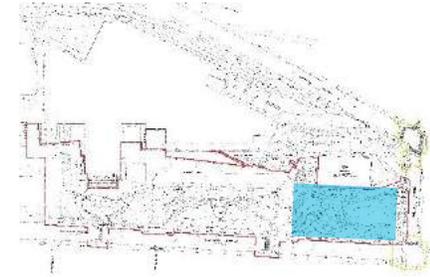


Former Central Hill Playground .21 Acres



Proposed Central Hill Playground .25 Acres,
Parkland in perpetuity

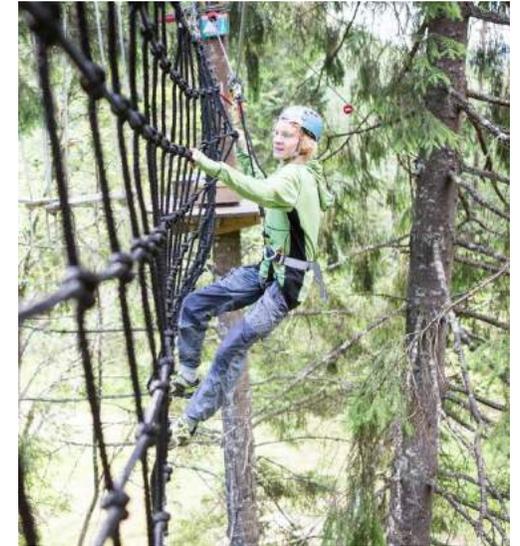
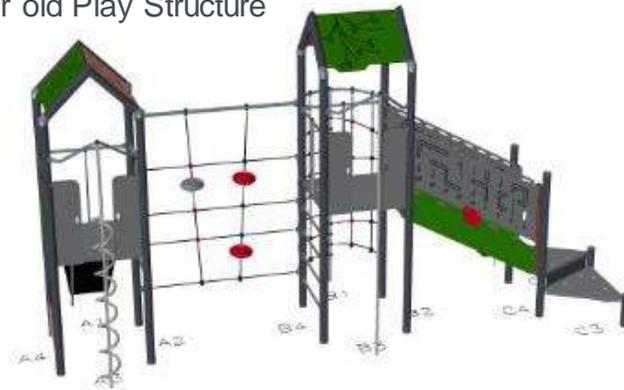
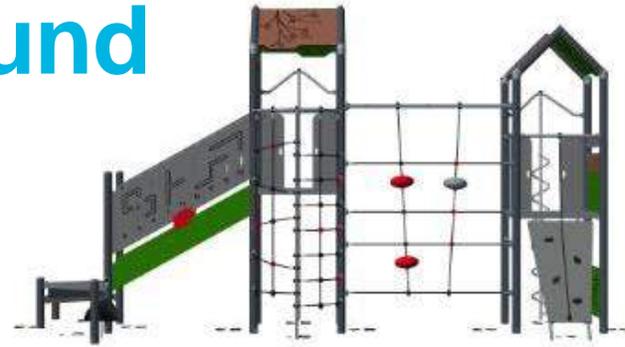
Library and Central Hill Playground



Central Hill Playground



5-12 year old Play Structure



Nature inspired materials and colors, incorporating nature where possible



Climbing Grips Slope



RAL 1015
eggshell



RAL 6021
green



RAL 5015
blue



Central Hill Playground



Toddler Swings



Nest Swing



Misting Pole



Parent Socializing



Cozy Spinner



Toddler Double
Embankment Slide
Mock Up



Embankment Slide
context image

Central Hill Playground



Curved Embankment Slide



Mountaineering Rope and Half Balls Slope Climb



Embankment Slide context image



2-5 year old Play Structure

Central Hill Playground



All Ages Spinner Dish



Story Walk



Child's Table with Seats

Planting Goals and Strategies

Trees:

- Expand the City Tree Canopy
- Incorporate Existing Trees into the Design
- Select Large Canopy and Long Living Species
- Incorporate Evergreen Canopy
- Emphasis on Native Species

Understory Planting:

- Formal Planting Beds around Memorials, Playground, and Library Entrance
- Green Stormwater Infrastructure at Curb Extensions and Mid-Block Crossings
- Vegetated Swales at Playground and along West Side of Walnut Street

Existing Trees



Proposed Trees

- Existing Street Tree
- Existing Tree by SHS
- Existing Tree to Remain by Central Hill Campus - 30
- Proposed Trees - 75



Gold Star Plaza



Formal understory plantings have emphasis on “gold” color characteristics

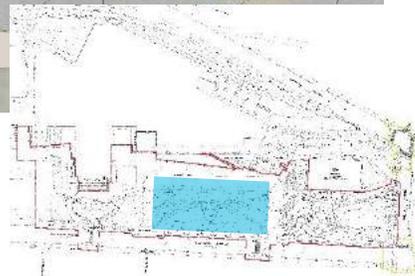
Tree Species List

<i>Abies balsamea</i>	Balsalm Fir
<i>Acer saccharum</i>	Sugar Maple
<i>Amelanchier x grandiflora</i> ‘Autumn Brilliance’	Autumn Brilliance Serviceberry
<i>Cercis canadensis</i>	Eastern Redbud
<i>Crataegus viridis</i> ‘Winter King’	Winter King Hawthorn
<i>Liriodendron tulipifera</i>	Tulip Tree
<i>Magnolia virginiana</i>	Sweetbay Magnolia
<i>Pinus rigida</i>	Pitch Pine
<i>Quercus bicolor</i>	Swamp White Oak
<i>Quercus macrocarpa</i>	Bur Oak
<i>Quercus robur</i> ‘Crimson Spire’	Crimson Spire Oak

Memorial Walk



 Seasonal plantings by others



Tree Species List

<i>Abies balsamea</i>	Balsalm Fir
<i>Acer rubrum</i>	Red Maple
<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance Serviceberry
<i>Cercis canadensis</i>	Eastern Redbud
<i>Cornus florida</i>	Flowering Dogwood
<i>Liriodendron tulipifera</i>	Tulip Tree
<i>Magnolia virginiana</i>	Sweetbay Magnolia
<i>Nyssa sylvatica</i>	Black Gum
<i>Platanus x acerifolia</i>	London Plane Tree
<i>Quercus bicolor</i>	Swamp White Oak
<i>Quercus macrocarpa</i>	Bur Oak
<i>Quercus palustris</i>	Pin Oak
<i>Quercus rubra</i>	Red Oak
<i>Ulmus x 'Accolade'</i>	Accolade Elm

Library Green and Central Hill Playground



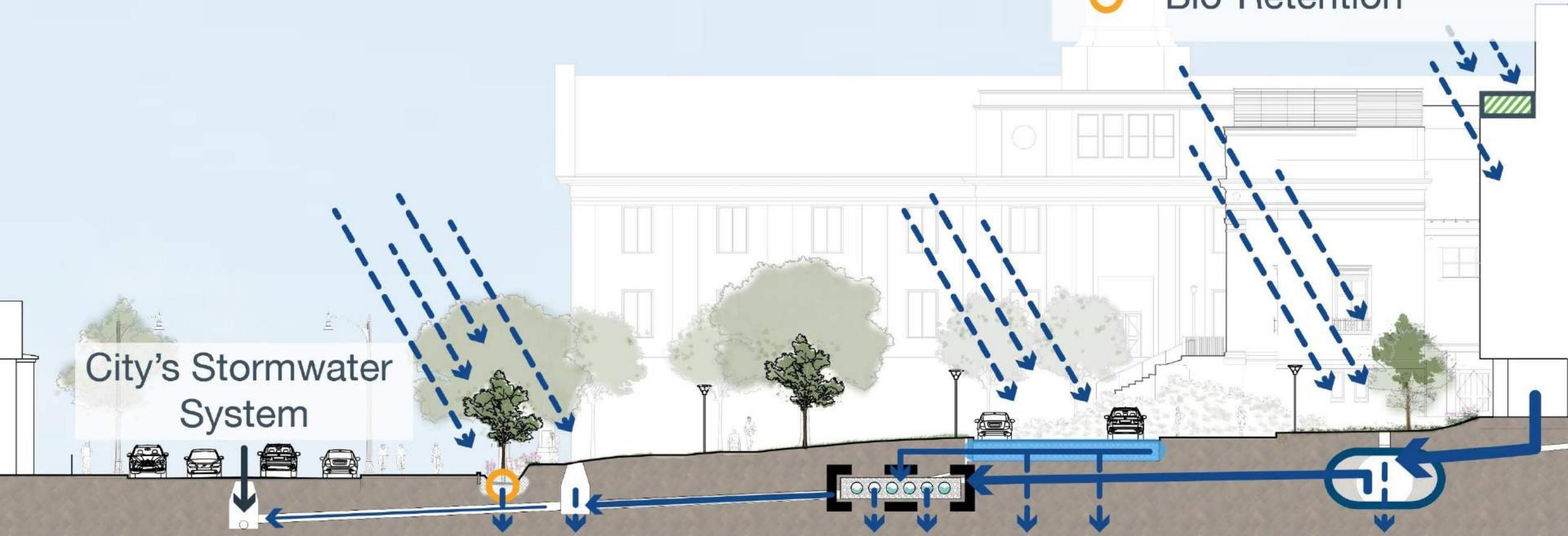
Planting beds designated for the Garden Club

Tree Species List

<i>Acer rubrum</i>	Red Maple
<i>Acer saccharum</i>	Sugar Maple
<i>Amelanchier x grandiflora</i> 'Autumn Brilliance'	Autumn Brilliance Serviceberry
<i>Betula nigra</i>	River Birch
<i>Carpinus caroliniana</i> 'Fire Spire'	Fire Spire Hornbeam
<i>Carya ovata</i>	Shagbark Hickory
<i>Cornus florida</i>	Flowering Dogwood
<i>Gleditsia triacanthos</i> 'Skyline'	Skyline Honeylocust
<i>Liquidambar styraciflua</i> 'Slender Silhouette'	Slender Silhouette Sweet Gum
<i>Liriodendron tulipifera</i>	Tulip Tree
<i>Magnolia virginiana</i>	Sweetbay Magnolia
<i>Nyssa sylvatica</i>	Black Gum
<i>Platanus x acerifolia</i>	London Plane Tree

Sustainability Opportunity

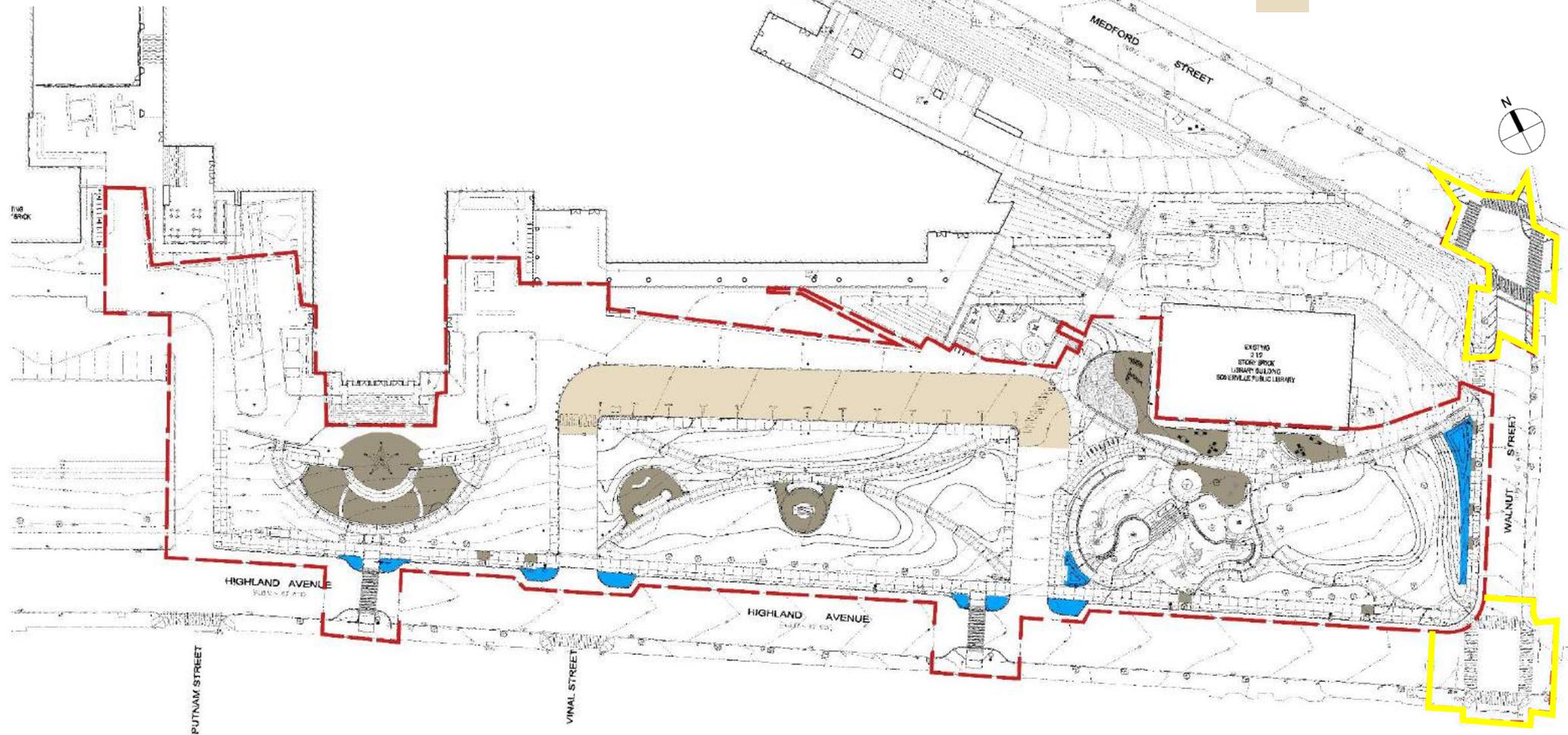
-  Green Roof
-  Porous Pavement
-  Infiltration System
-  Rainwater Harvesting
-  Bio-Retention



Sustainability Opportunity

Central Hill Phase 1 Sustainability efforts decrease site run-off volume for the 100 year storm by at least 5%

- Proposed Rain Garden by Central Hill Campus -1895 SF
- Proposed Permeable Paving by Central Hill Campus – 7085 SF
- Permeable Paving by SHS



Streetscape Sustainability



Infill Street Trees



Energy Efficient Street Light



Rain gardens at Curb Extensions for Stormwater Infiltration



Rain Garden Plantings

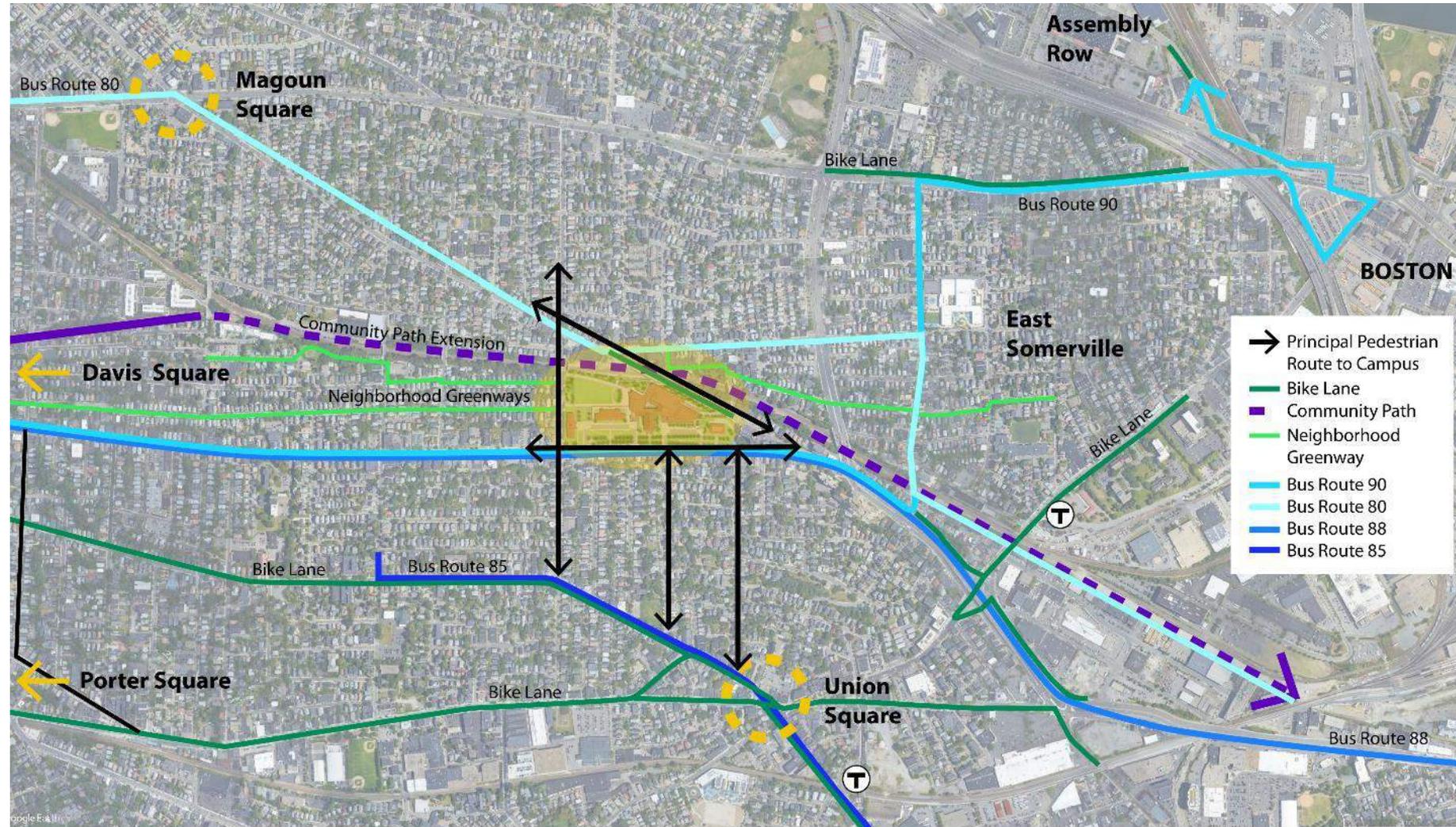
Transportation

Modes

- Walking
- Biking
- Driving
- Transit

Topics

- Site access
- Traffic calming
- Grade challenges
- Community path
- Future street traffic patterns
- MBTA bus stops



Existing Conditions

Community Member Identified Areas of Concern

Respondents from Teele Square, Porter Square, Spring Hill, Winter Hill, Union Square, Hillside, East Somerville

Most frequent responses identified:

- Locations for crosswalks
- Dangerous/uncomfortable intersections and ideas for improvement



Intersections and Midblock Crossings



-  Phase I Design
-  Phase I Tactical Design

1. Midblock crossing at Gold Star Plaza
2. Midblock crossing at playground
3. Highland and Walnut intersection
4. Medford and Walnut intersection

Timeline

New curbs and **repaving** will be part of Spring Hill Sewer Separation Project (SHSS)

- 2020: SHSS design complete
 - 2021: SHSS sewer work complete
 - 2022: streetscape complete
-
- Midblock crossings on Highland, and tactical treatments at Highland/Walnut and Medford/Walnut intersections will be completed in 2020

Proposed: Midblock Crossings with Curb Extensions

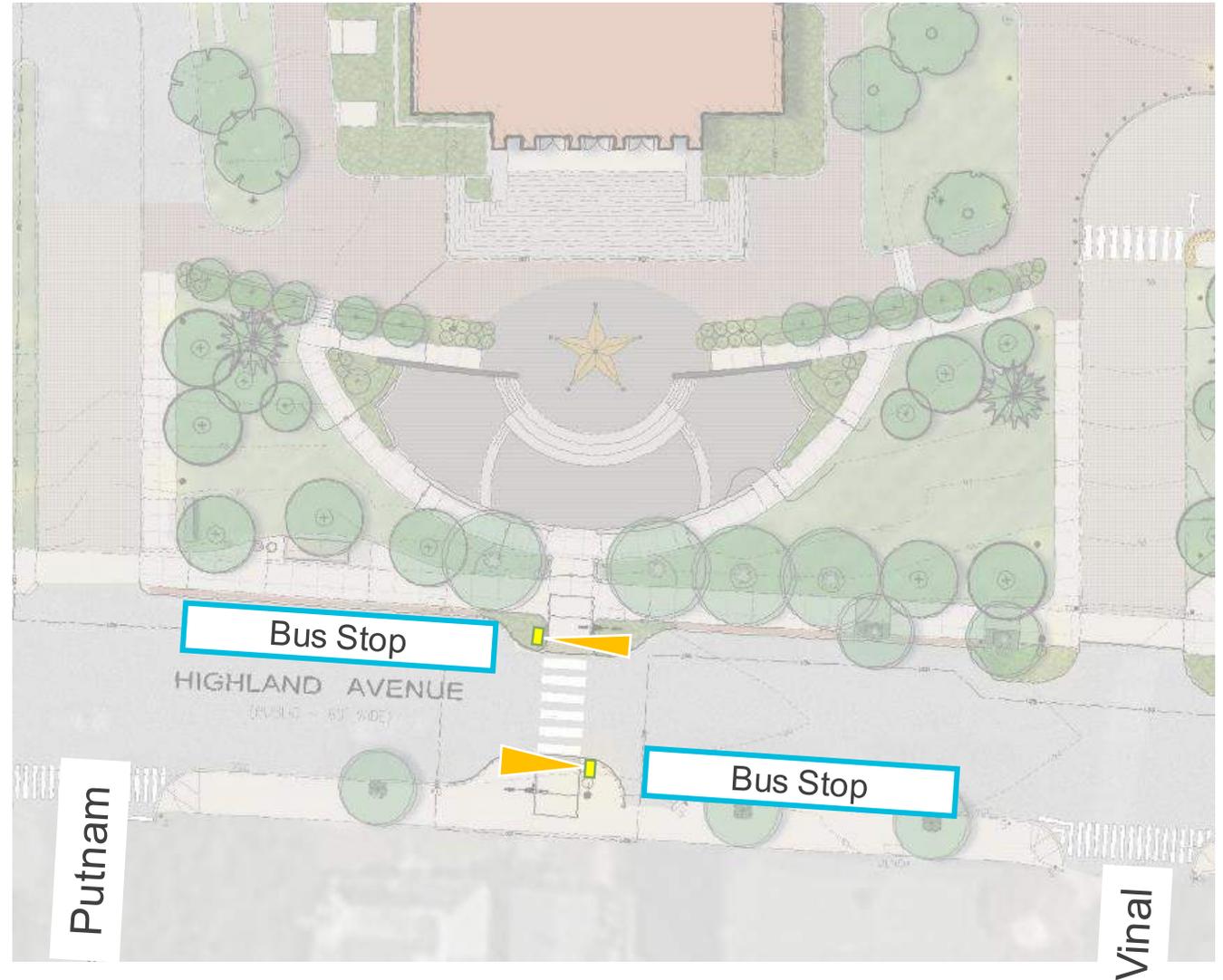


- Extend curb to shorten crossing time for pedestrians and widen sidewalk
- Increase visibility of pedestrians
- Curb extensions include planted areas for stormwater treatment

Gold Star Plaza Crossing



Rectangular Rapid Flashing Beacon

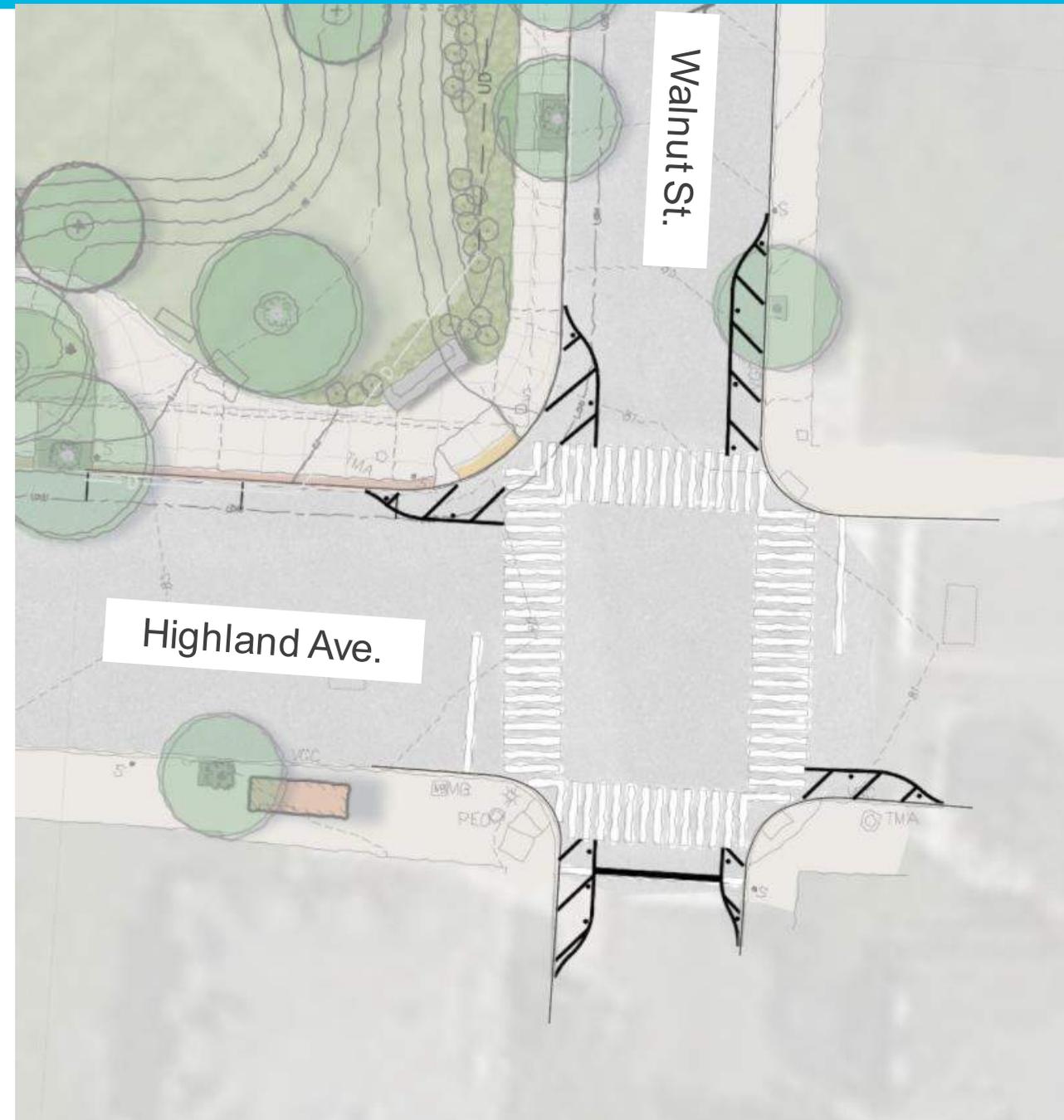


Intersection Modification: Highland Ave. & Walnut St.

- Curb extensions with paint and flexposts
- More space and visibility for pedestrians



Existing conditions

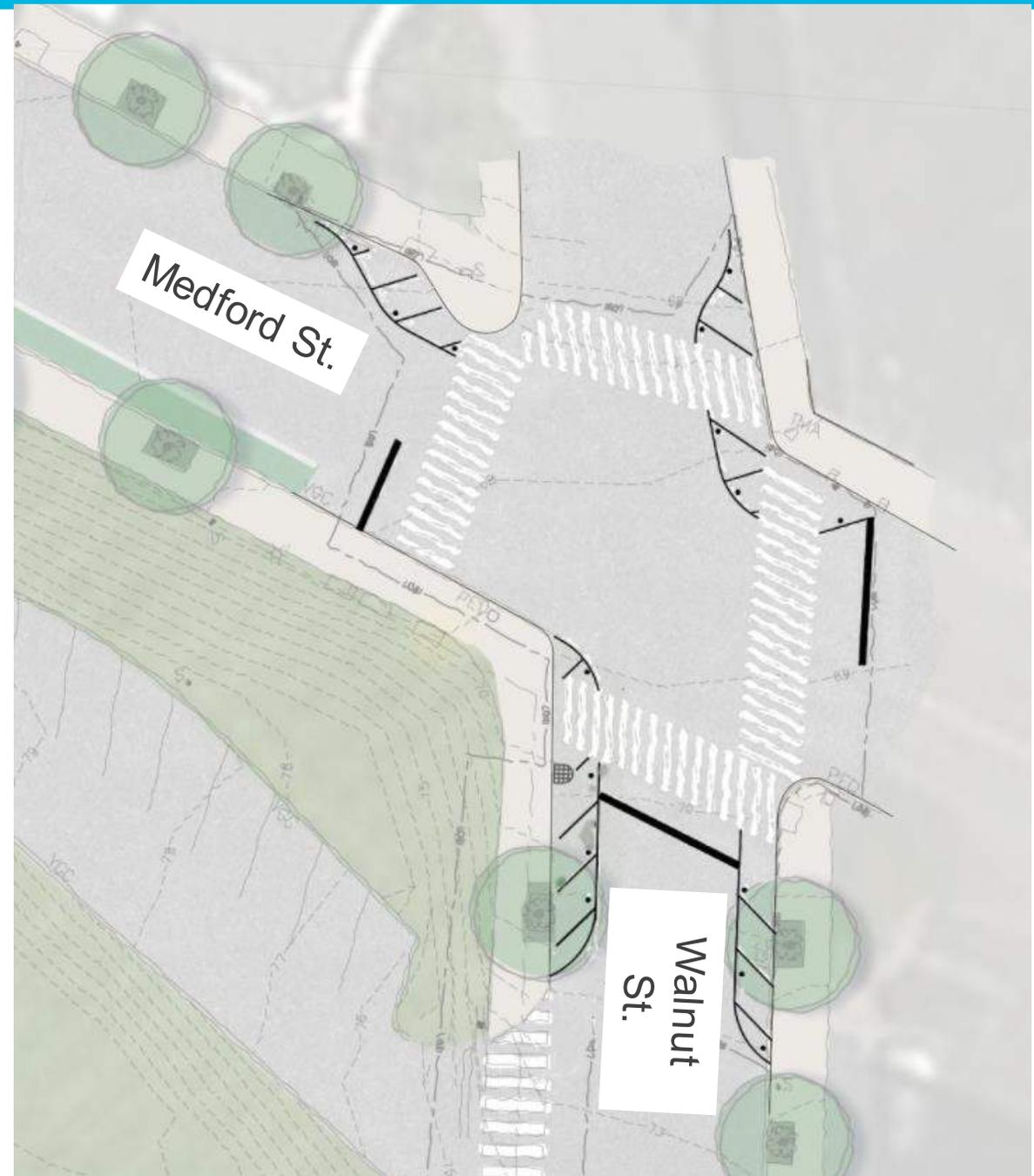


Intersection Modification: Medford St. & Walnut St.

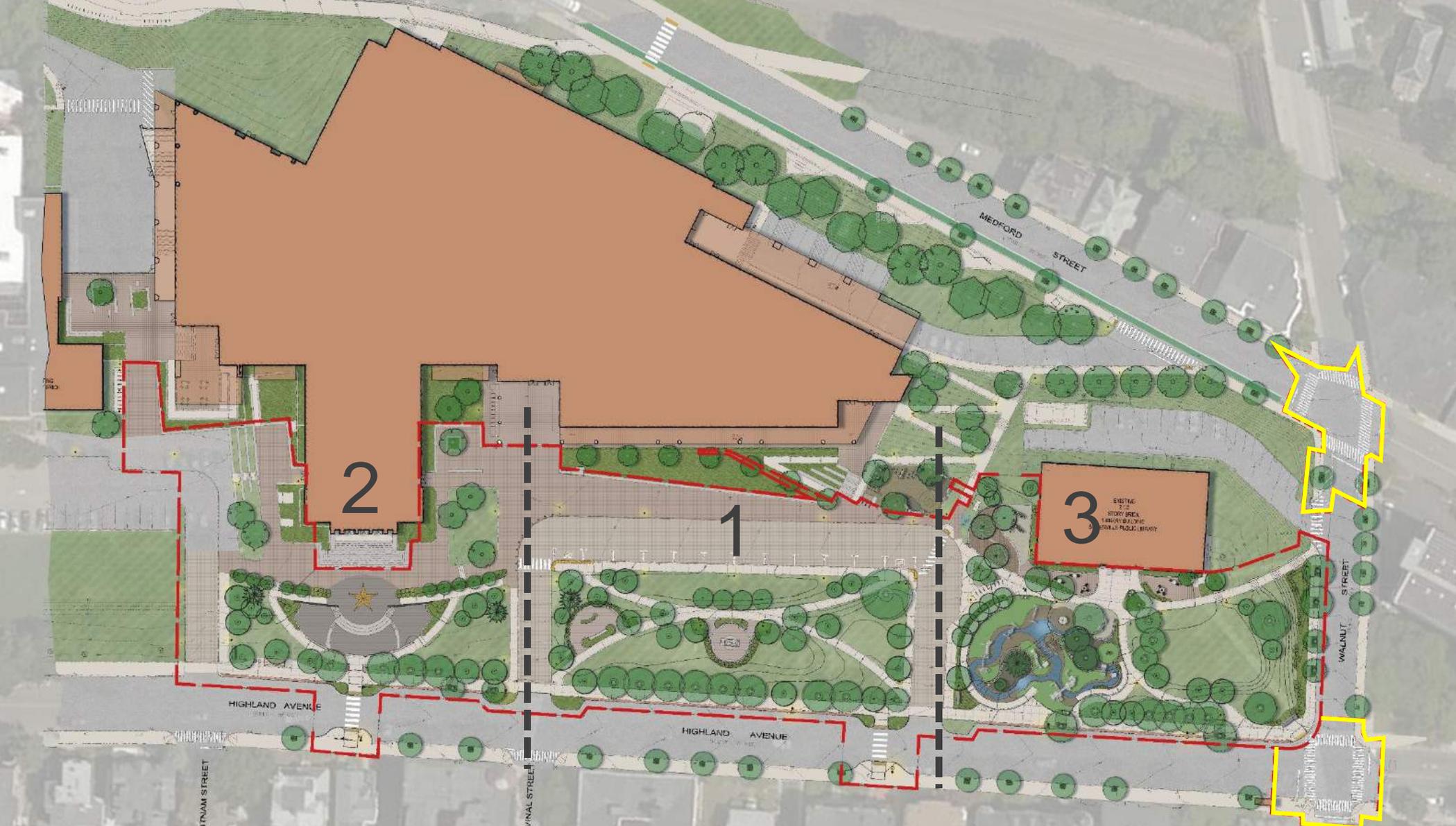
Curb extensions with paint and flexposts



Existing conditions



Central Hill – Phase 1 Design Construction Sequence



Project Timeline

- Campus Planning Study Complete Dec 28, 2018
- Phase 1 Design Begins May 24, 2019
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- Community Meeting #2 Sept. 23, 2019
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- Community Meeting #3 Jan. 08, 2020
- Phase 1 Construction Begins Spring 2020
- Phase 1 Construction Complete Anticipate Fall 2021

Next Steps

- Construction Bid Period
- City Award Bid
- Construction begin April 2020

Thank you

For more information:

www.somervillma.gov/highschool/

www.somervillema.gov/centralhillplan/

Somerville High School Construction Camera:

<https://app.oxblue.com/open/Suffolk/somervillehighschool>